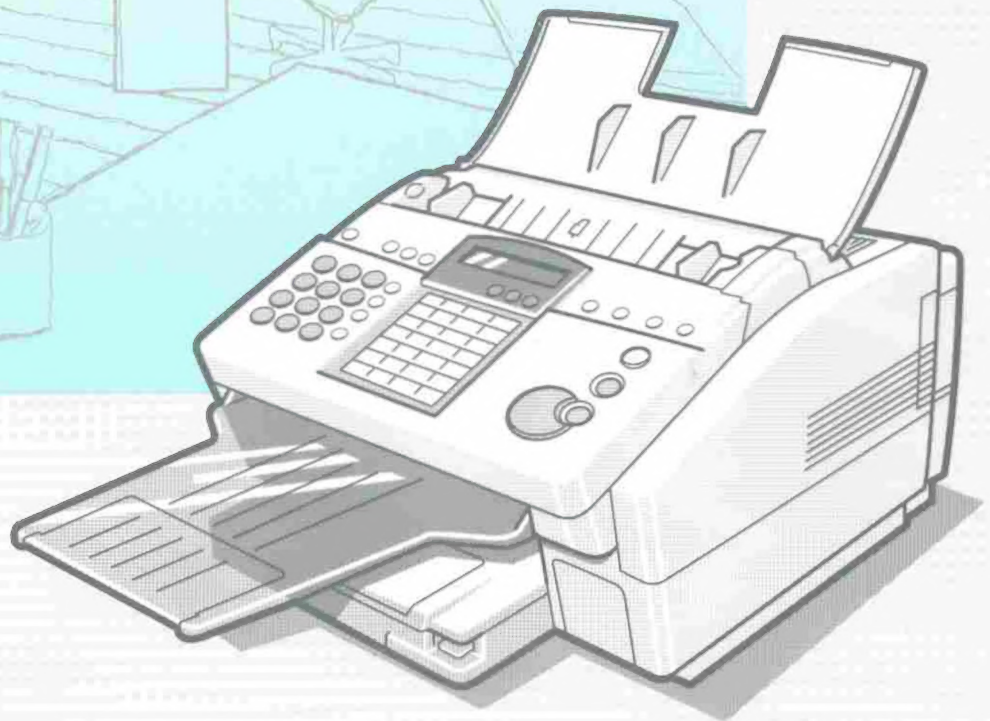
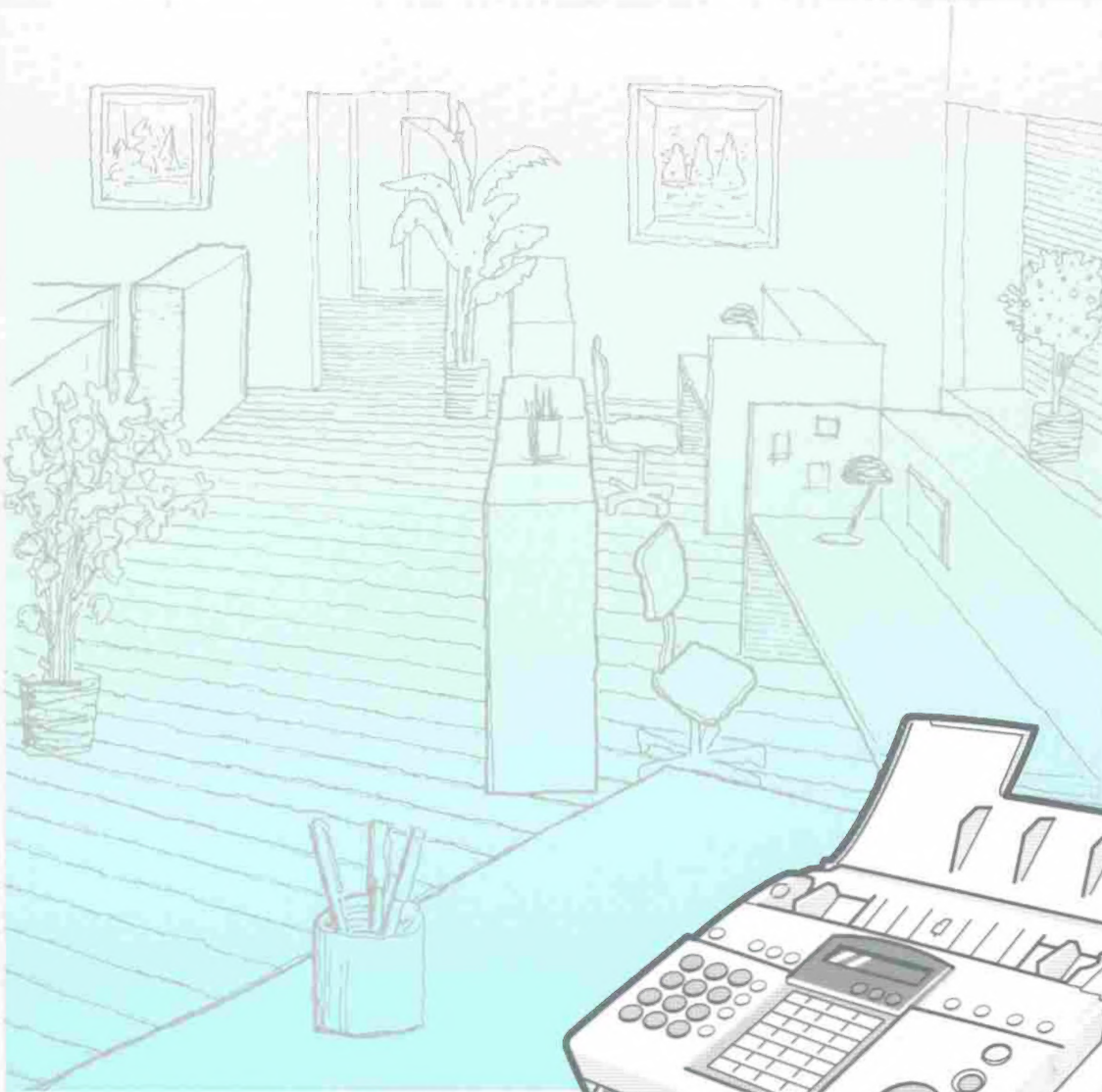


Panasonic®

Facsimile

Panafax® UF-342/UF-344

User's Guide



IMPORTANT INFORMATION

When requesting information, supplies, or service always refer to the model and serial number of your machine. The model and serial number plate (Main Name Plate) is located on the machine as shown below.

For your convenience, space is provided below to record the information you may need in the future.

Model No. _____ Serial No. _____

Date of Purchase _____

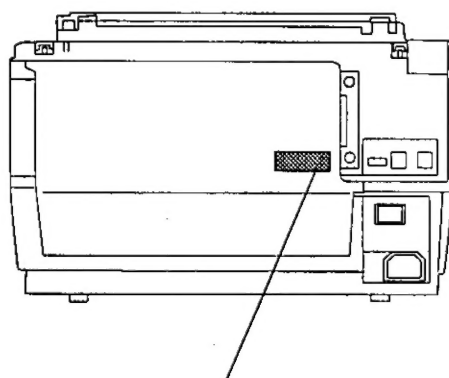
Dealer _____

Address _____

Telephone Number
() - _____

Supplies Telephone Number
() - _____

Service Telephone Number
() - _____



Model and Serial Number

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QUICK GUIDE

Safety Information ◀

WARNING

denotes a potential hazard that could result in serious injury or death.

- TO PREVENT FIRE OR SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR ANY TYPE OF MOISTURE.
- TO MINIMIZE THE POSSIBILITY OF SHOCK OR DAMAGE TO THE MACHINE, IT MUST BE PROPERLY GROUNDED.
- WHEN YOU OPERATE THIS EQUIPMENT, THE SOCKET-OUTLET SHOULD BE NEAR THE EQUIPMENT AND BE EASILY ACCESSIBLE.

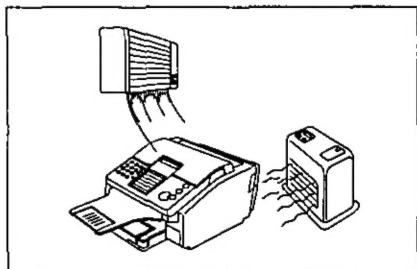
CAUTION

denotes hazards that could result in minor injury or damage to the machine.

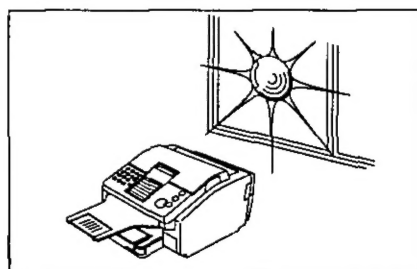
- THIS PRODUCT CONTAINS A LITHIUM BATTERY. DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED.
REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS OF YOUR LOCAL SOLID WASTE OFFICIALS.

Safety Information

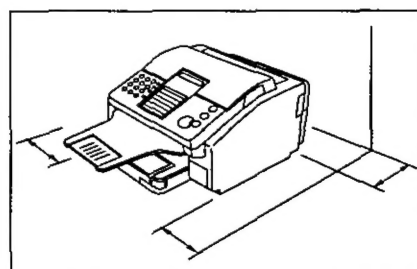
⚠ CAUTION denotes hazards that could result in minor injury or damage to the machine.



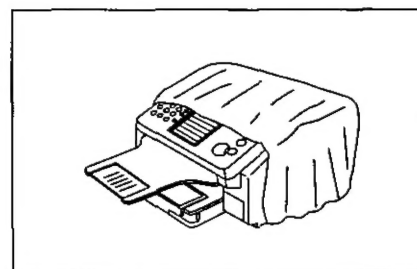
Do not install the machine near heating or air conditioning unit.



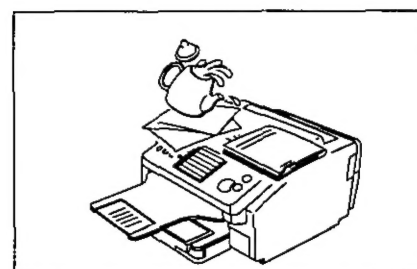
Avoid exposure to direct sunlight.



Install the machine on a flat surface, leave at least 4 inches (10 cm) of space between the machine and other objects.



Do not block the ventilation openings.



Do not place heavy objects, or spill liquids on the machine.

Thank you very much for purchasing the Panafax **UF-342/UF-344**.

The **UF-342/UF-344** is one of the most advanced models in the Panafax family of G3 compatible, desktop facsimile machines.

Some of its many features are

- 1. Plain Paper Printing** Plain paper printing means you can easily write on received documents with a pen or pencil. Documents do not curl, making filing easier. In addition, plain paper does not fade, making it ideal for long term storage of important documents.
- 2. Easy Maintenance** Maintenance requires only changing a print cartridge, making it quicker and easier than with other types of plain paper fax machines.
- 3. Memory Function** A standard image memory feature allows you to store up to 30 standard pages into the document memory. After the **UF-342/UF-344** stores your documents, it can send them to selected station(s) automatically. You do not have to wait until the transmission ends before retrieving your originals.
- 4. Fax / Telephone Auto Switch** The **UF-342/UF-344** differentiates between an incoming fax or voice call and automatically switches the circuit to either receive a document or to ring until you pick up the telephone connected to it. With the **UF-342/UF-344** you do not require a separate telephone line for your fax.
- 5. TAM Interface** A Telephone Answering Machine (TAM) can be connected to the **UF-342/UF-344**. The **UF-342/UF-344** determines whether the signal from the calling side is a fax or voice call. If it is a fax, the **UF-342/UF-344** will switch the telephone line to start the fax communication. If a fax signal is not detected, the **UF-342/UF-344** will stay in the TAM mode and the caller can leave a message.
- 6. Color Copier (UF-344 only)** The **UF-344** works as a compact and convenient copier reproducing full-color text and images with professional print quality and 70–141% Zoom capability.
- 7. Panafax Multi-Function System** A built-in Panafax Multi-Function System turns your **UF-342/UF-344** into a multi-functional device, giving you the ability to send and receive fax messages or print directly from your PC. You can even scan documents into your PC for use in other applications.
- 8. Panafax Color Printing System** Simply install the built-in Panafax Color Printing System, and the **UF-342/UF-344** becomes a GDI printer for text and graphics with superior color quality and clarity.
- 9. View Mode** Your machine has been equipped with a View function which allows you to view the contents of the Journal and File List on the LCD display without having to print them.

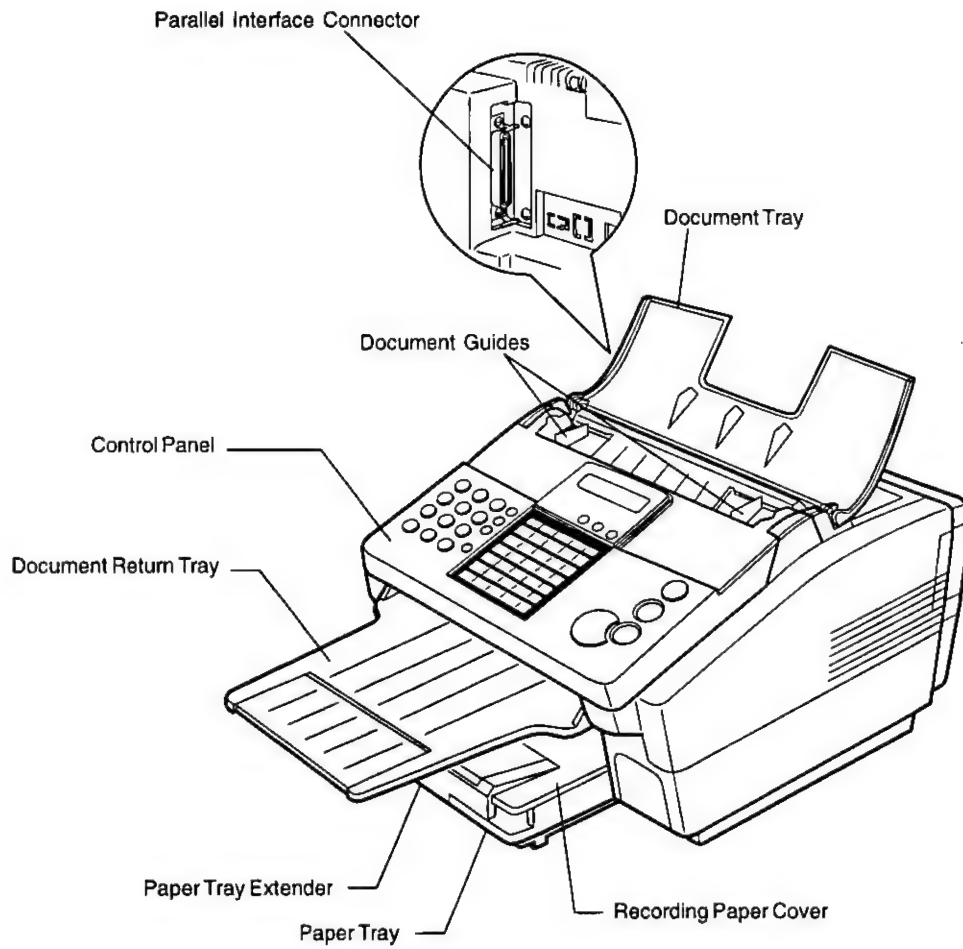
With a little practice, anyone can learn how to use the most popular features of the **UF-342/UF-344**.

This User's Guide will help you to use your **UF-342/UF-344** quickly and easily. The Table of Contents shows where to find information on each feature. Although we recommend that you review each section briefly, it will only be necessary to read the sections that contain the feature(s) you will be using.

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External View ◀

1



Control Panel [For UF-342]

LCD Display

Indicates date and time, or the current operation.

DIRECTORY SEARCH



Used to search for a station name. (see page 50 and 57)

VOLUME



Used for the following

- Search station name for Directory Search Dialing
- Confirm entered station for multi-station communication.
- Confirm current communication modes (e.g. Page number, ID, Dialed Telephone number) when unit is on line.
- Select functions.
- Used to adjust monitor and ringer volume. (see page 26)

MEMORY



Used to select either memory or direct ADF communication. (see page 53)

FUNCTION



Used to start or select the function and sub-functions. (see page 14)

CLEAR



Used to erase the previously entered input.

SET



Used to set operations.

HALFTONE

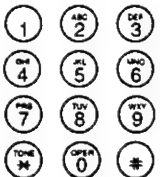
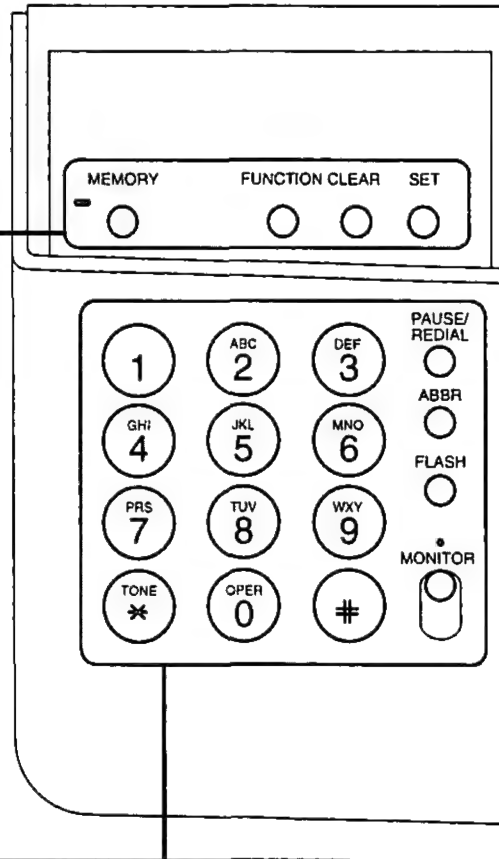


Provides OFF, QUALITY or FAST settings for halftone documents (see page 44).

RESOLUTION



Used to set Standard, Fine, Super-Fine. (see page 43) Also serves as an arrow key (<) to move the cursor over recorded numbers and characters.



Used for Manual Number Dialing, recording phone numbers, and selecting functions.



Used to temporarily change Dialing Mode to Tone when Pulse mode is set.

PAUSE/REDIAL



Used to enter a pause when recording or dialing a telephone number, or to redial the last dialed number. (see page 61)

ABBR



Used to start Abbreviated Dialing. (see page 49 and 56)

FLASH



Used to access some features of your PBX.

MONITOR



Used to start On-Hook Dialing. (see page 52)

Control Panel (UF-342)

1

CONTRAST



Used to set Normal, Lighter, or Darker. (see page 43) Also serves as an arrow key (>) to move the cursor over recorded numbers and characters.

STAMP



Used to turn the verification stamp ON or OFF (see page 44).

Panasonic

V A
DIRECTOR
SEARCH - VOLUME +

HALFTONE RESOLUTION CONTRAST STAMP

FAST S-FINE DARKER
QUALITY FINE LIGHTER

Panafax UF-342

OUT
STOP
COPY
START



Used to select either IN mode or OUT mode. (see page 62)



Used to cancel operations. When it is pressed, the machine will return to standby.



Used to make copies. (see page 69)



Used to start operations.

One-Touch Keys (01-24)

Used for One-Touch Dialing. (see page 48 and 55)

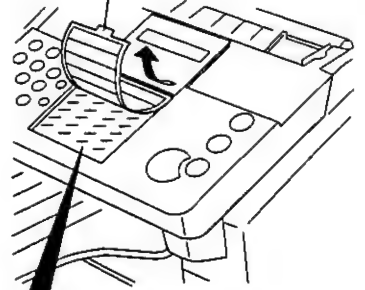
Program Keys (P1-P4)

Used to record long dialing procedures or Group Dialing Number keys. (see page 80 to 85)

Character Keys

The One-Touch Keys and Program Keys also serve as character and symbol input keys which are used to record your LOGO and station name. The character key template is printed on the panel under the directory sheet cover.

Directory Sheet Cover






01 A	02 B	03 C	04 D
05 E	06 F	07 G	08 H
09 I	10 J	11 K	12 L
13 M	14 N	15 O	16 P
17 Q	18 R	19 S	20 T
21 U	22 V	23 W	24 X
P1 Y	P2 Z	P3 SPACE	P4 UPPER LOWER

Note: Whenever One-Touch keys are changed to the character key mode (to record your LOGO and station names), use the **UPPER/LOWER** key to switch between upper and lower character set.


Control Panel [For UF-344]


LCD Display
Indicates date and time, or the current operation.


DIRECTORY SEARCH
 Used to search for a station name. (see page 50 and 57)


VOLUME
v ——— ^
- VOLUME +
  Used for the following


- Search station name for Directory Search Dialing.
- Confirm entered station for multi-station communication.
- Confirm current communication modes (e.g. Page number, ID, Dialed Telephone number) when unit is on line.
- Select functions.
- Used to adjust monitor and ringer volume. (see page 26)


MEMORY
-  Used to select either memory or direct ADF communication. (see page 53)


COLOR
-  Used to select either Color or Monochrome copy. (see page 70)

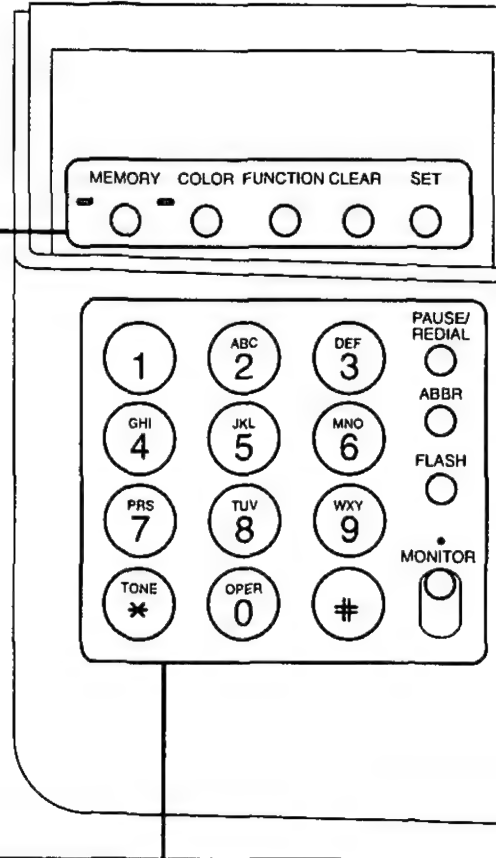
FUNCTION
 Used to start or select the function and sub-functions. (see page 14)












CLEAR
 Used to erase the previously entered input.


SET
 Used to set operations.


HALFTONE
 Provides OFF, QUALITY or FAST settings for halftone documents (see page 44).


RESOLUTION
 Used to set Standard, Fine, 300dpi. (see page 43) Also serves as an arrow key (<) to move the cursor over recorded numbers and characters.





Manual Number Dialing
  
  
  
  Used for Manual Number Dialing, recording phone numbers, and selecting functions.

TONE
 Used to temporarily change Dialing Mode to Tone when Pulse mode is set.

PAUSE/REDIAL
 Used to enter a pause when recording or dialing a telephone number, or to redial the last dialed number. (see page 61)


ABBR
 Used to start Abbreviated Dialing. (see page 49 and 56)


FLASH
 Used to access some features of your PBX.

MONITOR
 Used to start On-Hook Dialing. (see page 52)

Control Panel (UF-344)

1

CONTRAST
 Used to set Normal, Lighter, or Darker (see page 43) Also serves as an arrow key (>) to move the cursor over recorded numbers and characters

STAMP
 Used to turn the verification stamp ON or OFF (see page 44)

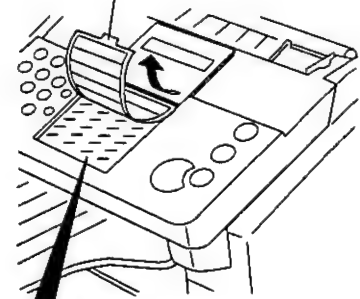
One-Touch Keys (01-24)
 Used for One-Touch Dialing (see page 48 and 55)

Program Keys (P1-P4)
 Used to record long dialing procedures or Group Dialing Number keys (see page 80 to 85)

Character Keys

The One-Touch Keys and Program Keys also serve as character and symbol input keys which are used to record your LOGO and station name. The character key template is printed on the panel under the directory sheet cover.

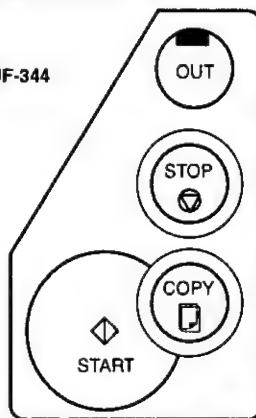
Directory Sheet Cover





01 A	02 Ä	03 Ö	04 Ü
05 ä	06 é	07 /	08 Æ
09 /	10 J	11 K	12 L
13 M	14 N	15 +	16 -
17 &	18 (19)	20 <
21 >	22 '	23 ,	24 X
P1 /	P2 ,	P3 SPACE	P4 UPPER LOWER


Note Whenever One-Touch keys are changed to the character key mode (to record your LOGO and station names), use the **UPPER/LOWER** key to switch between upper and lower character set

Panafax UF-344



 Used to select either IN mode or OUT mode (see page 62)

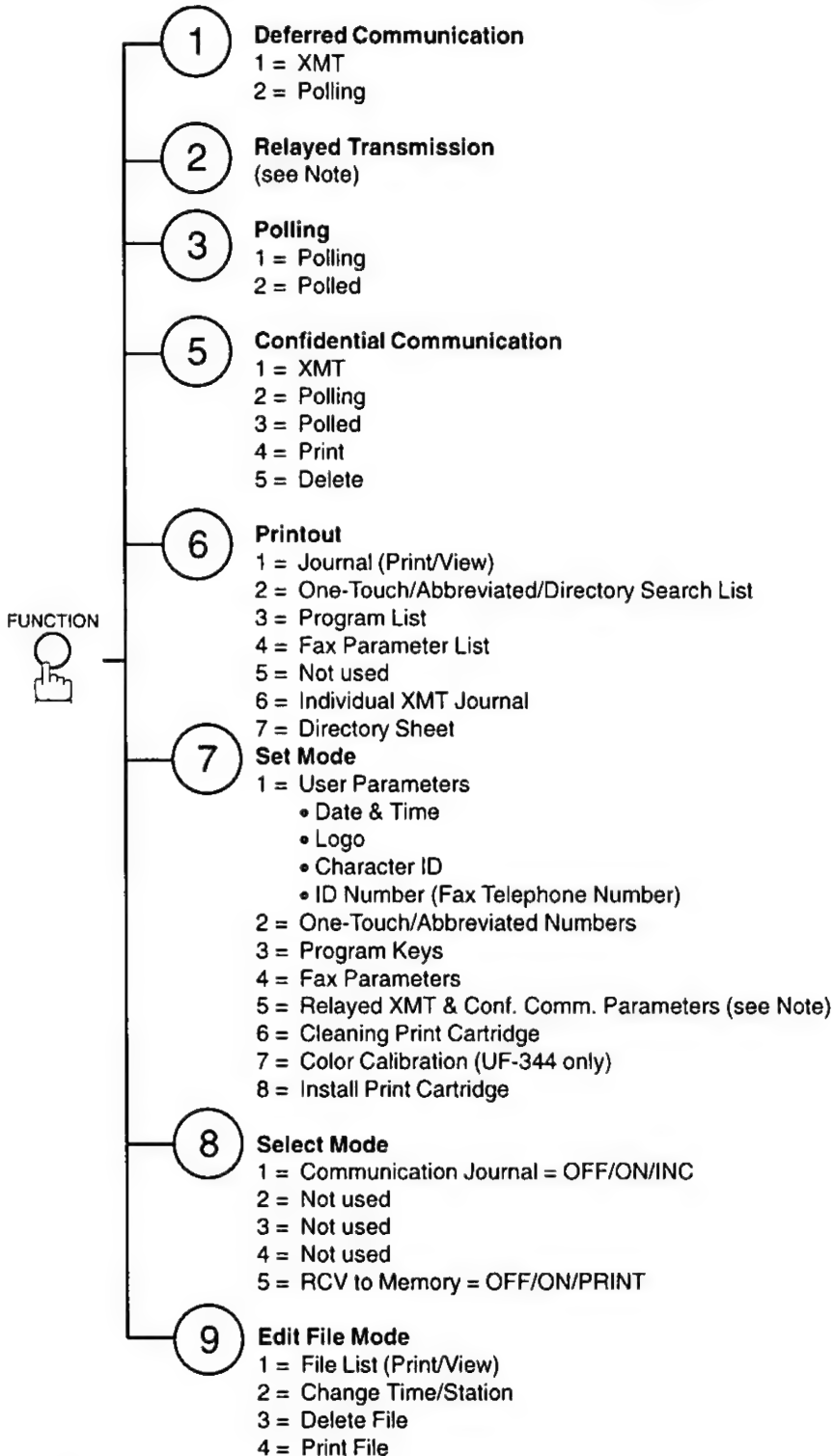
 Used to cancel operations. When it is pressed, the machine will return to standby.


 Used to make copies (see page 69)

 Used to start operations

▶ Function Key

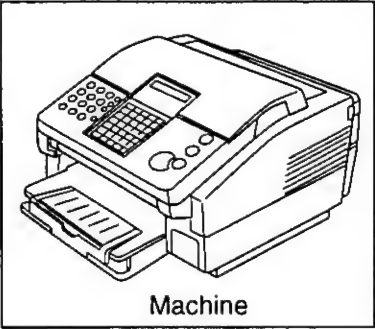
Any function can be started by first pressing **FUNCTION** and then enter the function number, or by pressing **▼** or **▲** scroll key repeatedly until the desired function appears on the display.



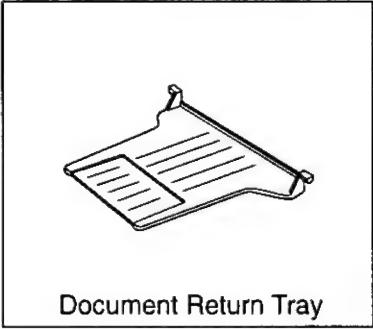
 **Note:** If Fax Parameter is not preset to a Valid position, which enables you to use the function, the display will not show the function.

Main Unit and Accessories

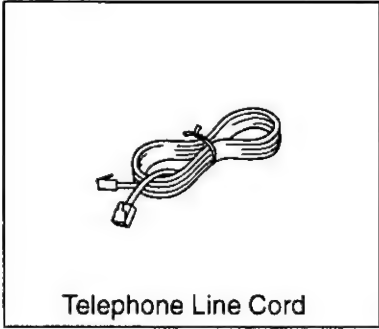
Unpack the carton and check that you have all accessories illustrated.



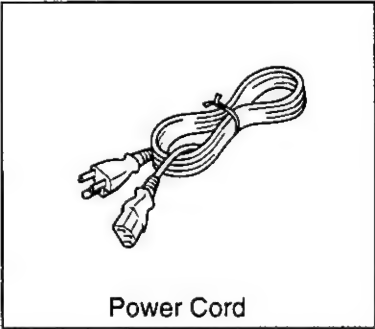
Machine



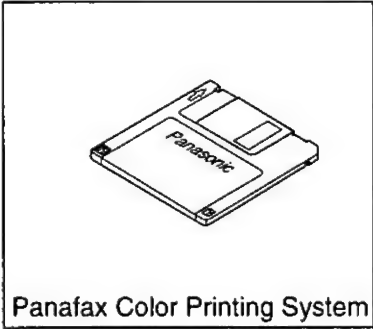
Document Return Tray



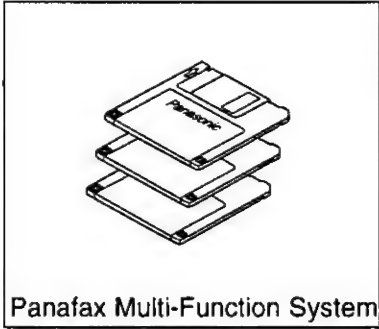
Telephone Line Cord



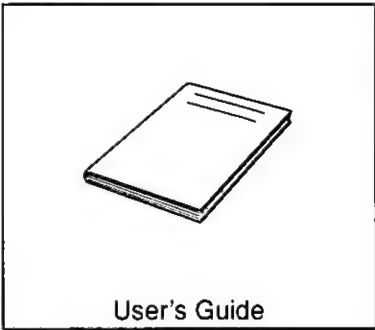
Power Cord



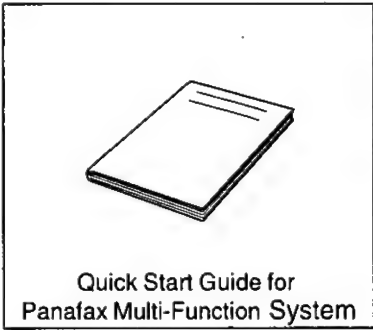
Panafax Color Printing System



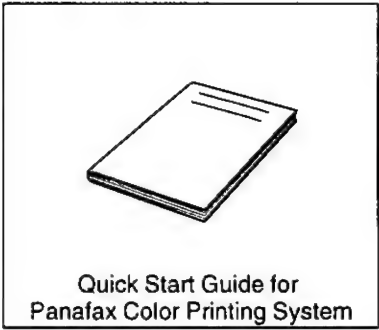
Panafax Multi-Function System



User's Guide



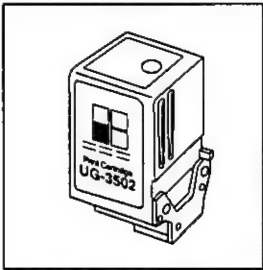
Quick Start Guide for
Panafax Multi-Function System



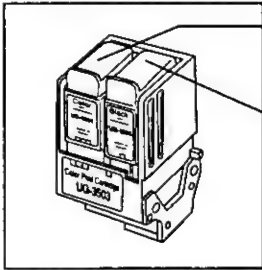
Quick Start Guide for
Panafax Color Printing System



Note: The Print Cartridge required for your machine is sold separately. Please purchase the Print Cartridge from the place where you bought the machine or an office supplies store before proceeding with installation.



Black Print Cartridge
(Order No. : UG-3502A)

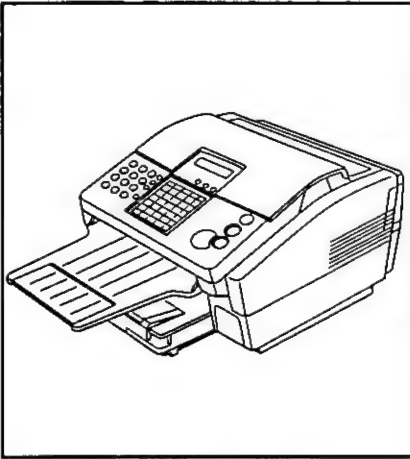


Color Print Cartridge
(Order No. : UG-3503A)

Color Ink Cartridge Refill
(Order No. : UG-3504A)

Black Ink Cartridge Refill
(Order No. : UG-3505A)

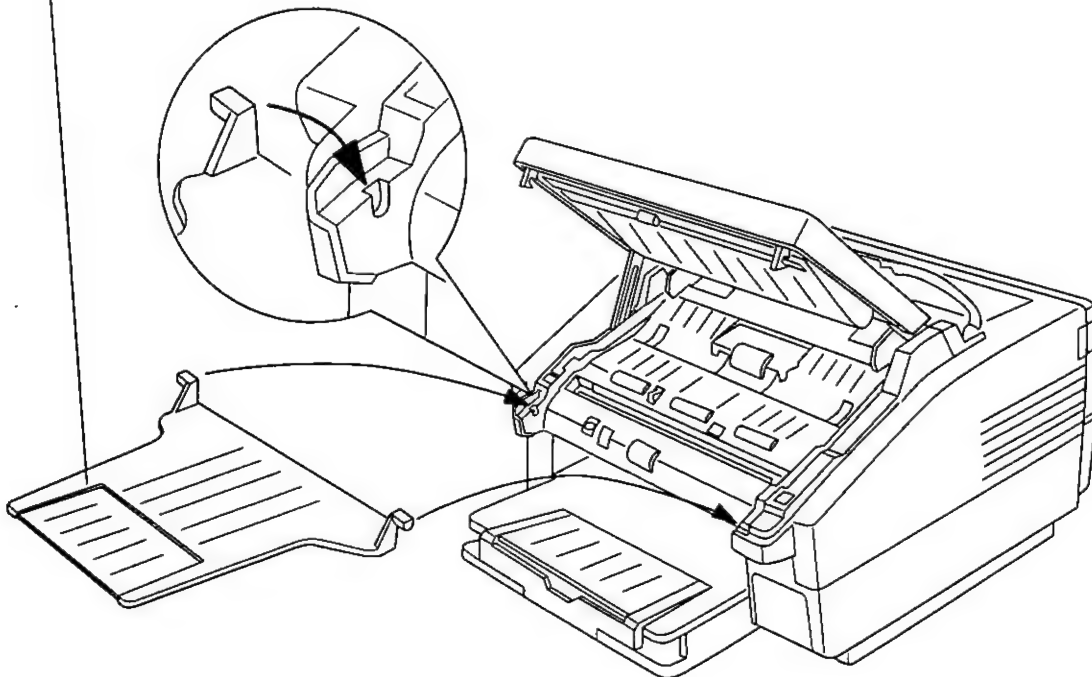
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Final Installed View

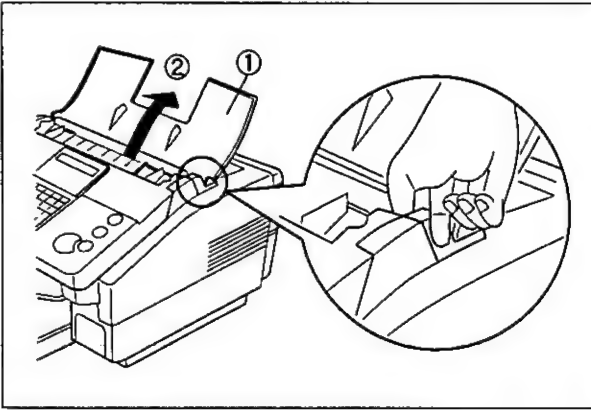
Document Return Tray

Open the ADF Door and hook the projections of the Document Return Tray into the slots on the front of the machine. Then, close the ADF Door.



► Installing the Print Cartridge

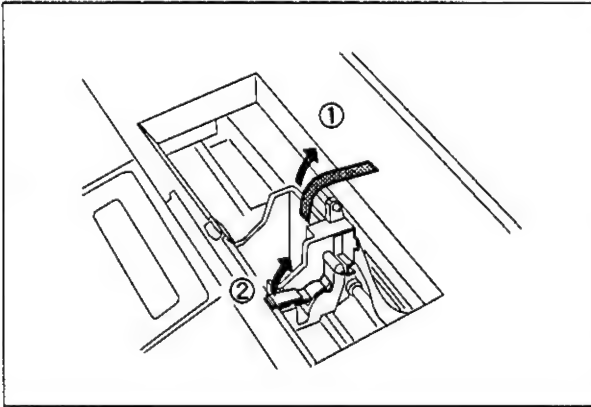
1



① Open the Document Tray.

② Open the Printer Cover.

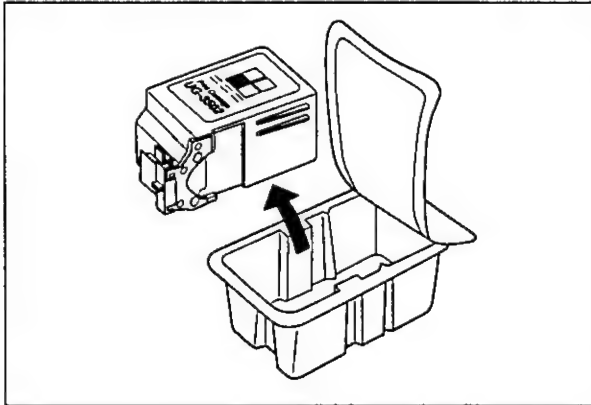
2



① Remove the tape on the Print Cartridge Cradle.

② Lift up the Green Lever on the Print Cartridge Cradle.

3



Open the Print Cartridge Container.

Continued on the next page.

⚠ CAUTION

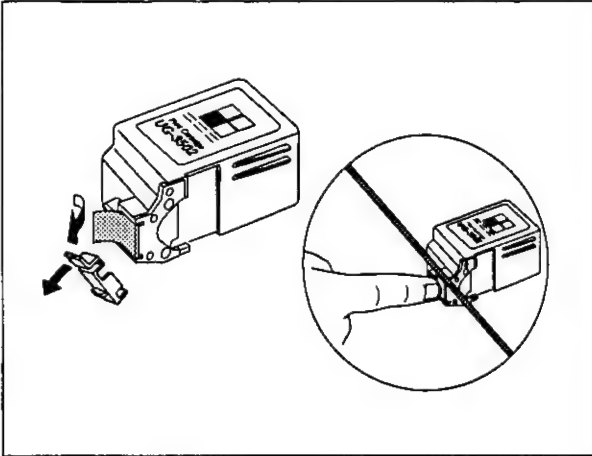
The Ink in the Print Cartridge may be harmful to children if swallowed. Keep new or used cartridges out of the reach of children and immediately discard used cartridge.



Note: You may purchase the required Print Cartridge (Order No. : UG-3502A (Black), UG-3503A (Color)) for your machine from the place where you bought the machine or an office supplies store.

Installing the Print Cartridge ◀

4

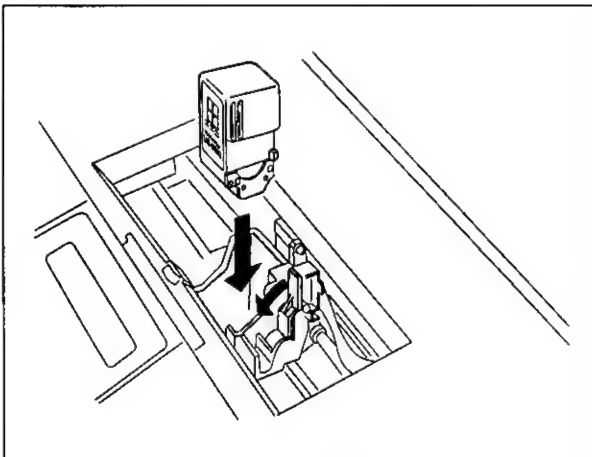


Gently remove the Print Head Cap and the Protective Tape from the front of the Print Cartridge.

⚠ CAUTION

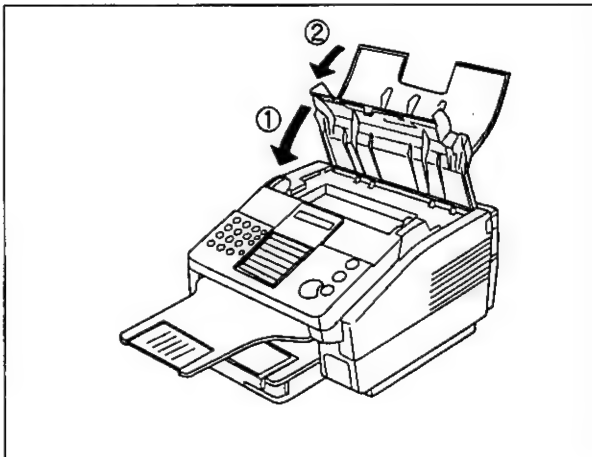
Be sure not to touch the Print Head on the Print Cartridge or the sharp edges around it when unpacking and installing the cartridge.

5



Place the Print Cartridge into the Cradle and then push the Green Lever down.

6



① Close the Printer Cover.

② Close the Document Tray.

2

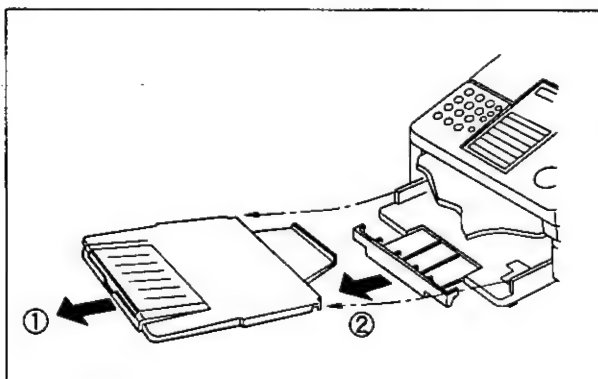
▶ Loading the Recording Paper

Paper Specifications

In general, most bond papers will produce excellent results. Most photocopy papers will also work very well. There are many "name" and "generic" brands of paper available. We recommend that you test various papers until you obtain the results you are looking for. For detailed recommended paper specifications, see page 158.

How to Load the Recording Paper

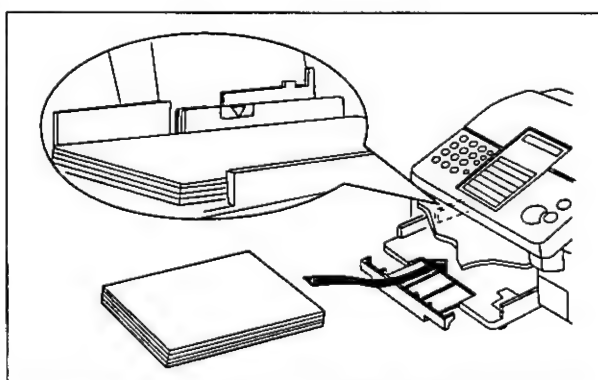
1



① Remove the Recording Paper Cover.

② Pull out the Paper Tray Extender.

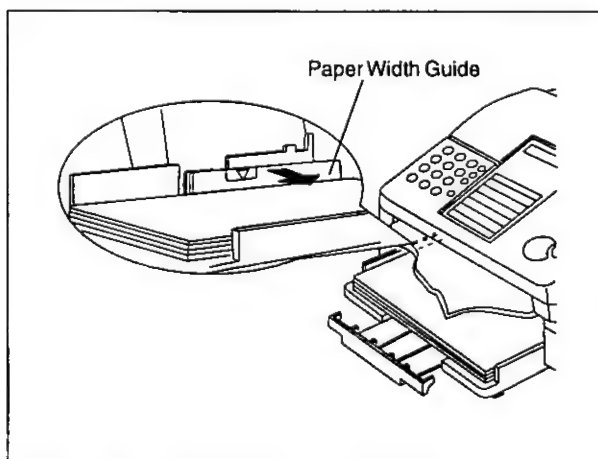
2



Insert a stack of papers, printable side down, about 3/5" (15 mm) thick (approximately 150 sheets of paper) squarely into the Paper Tray.

Caution: Make sure that the paper does not exceed over the mark (▽) of the Paper Width Guide. For detailed capacity on various paper type, see page 158.

3

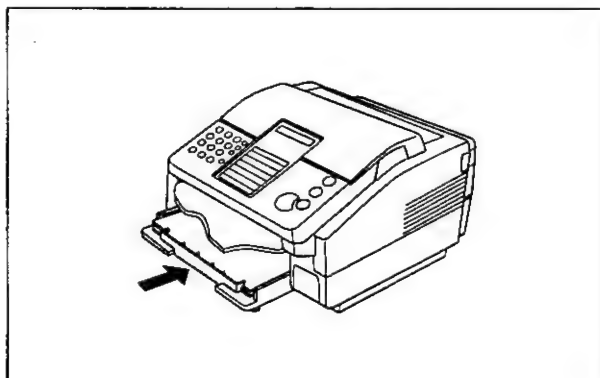


Slide the Paper Width Guide in toward the paper to hold the paper against the right side of the Paper Tray.

Continued on the next page.

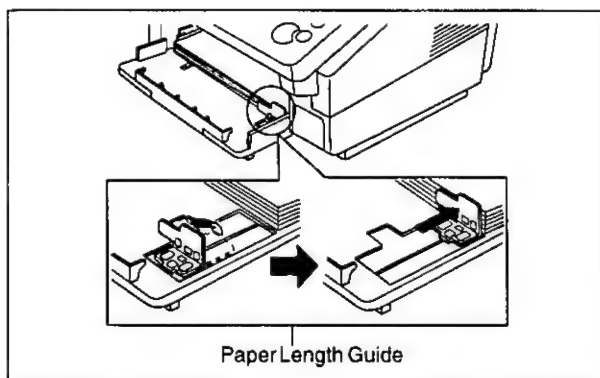
Loading the Recording Paper ◀

4



Slide the Paper Tray Extender in toward the paper to hold the paper against the printer.

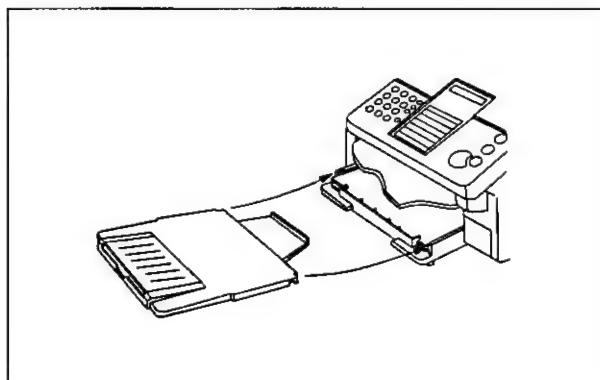
2



If loading A5, B5 size paper or Envelope (Commercial-10 or Envelope DL) when using your machine as a printer with Panafax Color Printing System.

- ① Set the Paper Length Guide upright.
- ② Slide the Paper Length Guide in toward the paper to hold the paper against the printer.

5



Re-install the Recording Paper Cover.



- Note:**
1. The setting of Fax Parameter No. 23 (Recording Paper Size) must match the paper size you have loaded. (see page 38)
 2. Do not add recording paper while the machine is printing a document.
 3. To add recording paper before the paper runs out, remove the remaining paper from the Paper Tray first. Then, add to the additional stack of papers and reinsert into the Paper Tray.

▶ Connecting the Telephone Line Cord and Power Cord

■ Telephone Line Cord

Plug one end of the telephone line cord into the "RJ-11C" telephone jack supplied by the telephone company and the other end into the LINE jack on the rear of the machine.

RJ-11C Telephone Jack



Telephone Line Cord (Attachment)



■ Power Cord

Plug one end of the power cord into an ordinary 3 prong AC outlet and the other end into the receptacle on the rear of the machine.

Warning : This apparatus must be properly earth grounded through an ordinary 3 prong AC outlet. Do not break off the earth (ground) prong to fit a 2 prong outlet.



Power Cord (Attachment)



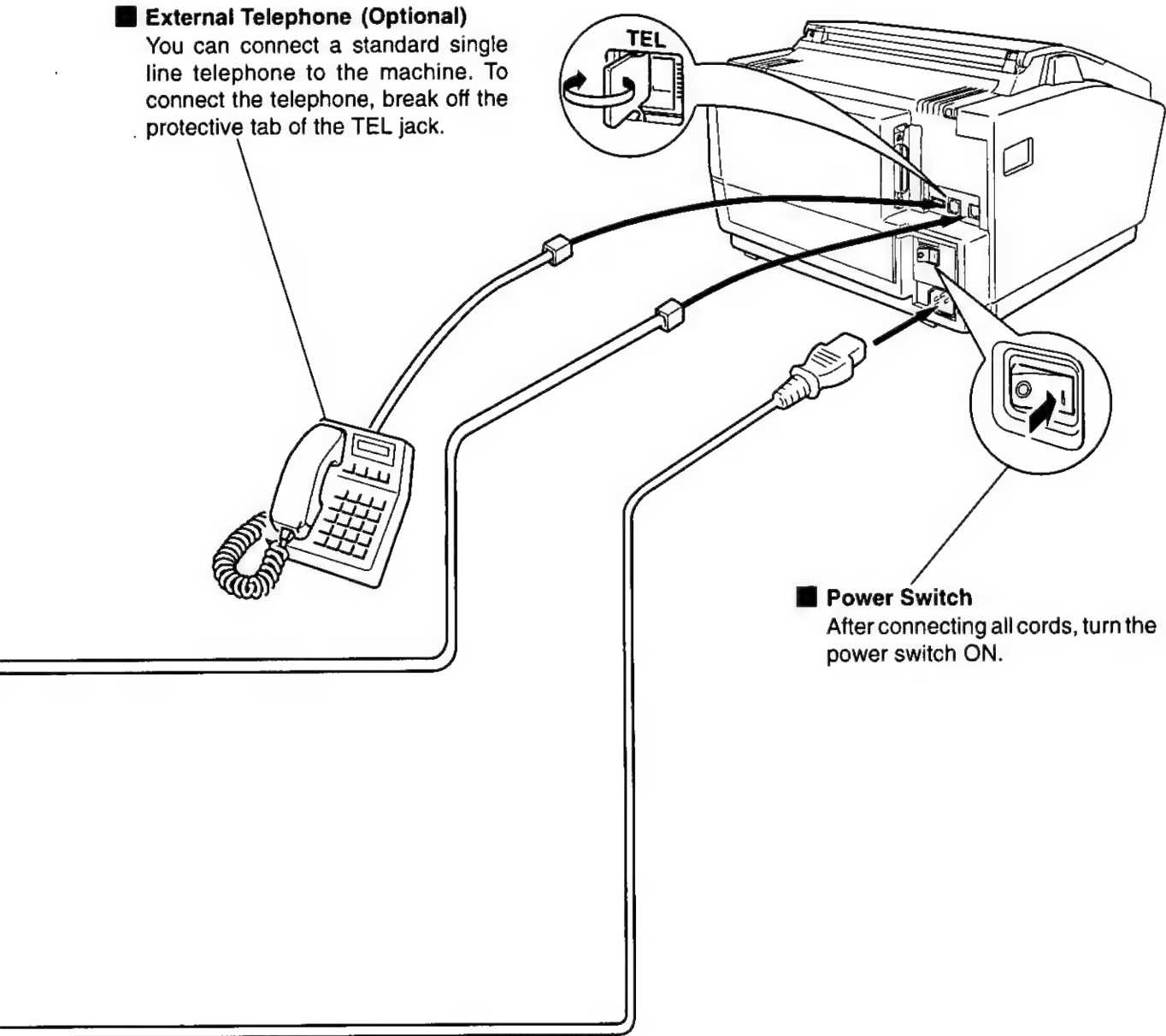
Note: Your machine uses little power and you should keep it ON at all times. If the power is turned OFF for too long, the contents of the memory may be lost.

Connecting the Telephone Line Cord and Power Cord

2

■ External Telephone (Optional)

You can connect a standard single line telephone to the machine. To connect the telephone, break off the protective tab of the TEL jack.



■ Power Switch

After connecting all cords, turn the power switch ON.

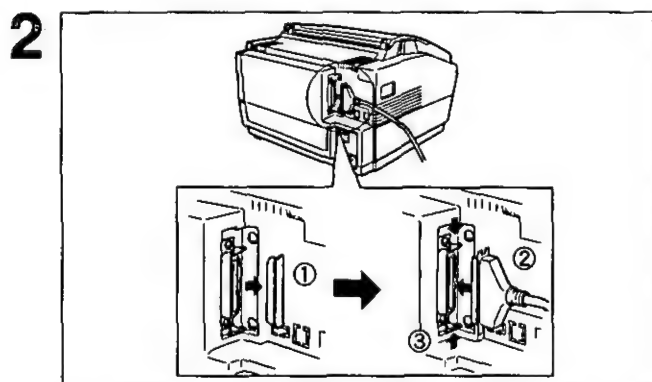
► Connecting the Parallel Interface Cable

Parallel Interface Cable

To use the Panafax Multi-Function System and/or Panafax Color Printing System, connect a Parallel Interface Cable between the fax machine and your PC. It is recommended to use a high quality IEEE 1284 Bi-Directional Parallel Cable no longer than 6 feet.

To connect the Parallel Interface Cable, follow the procedure below:

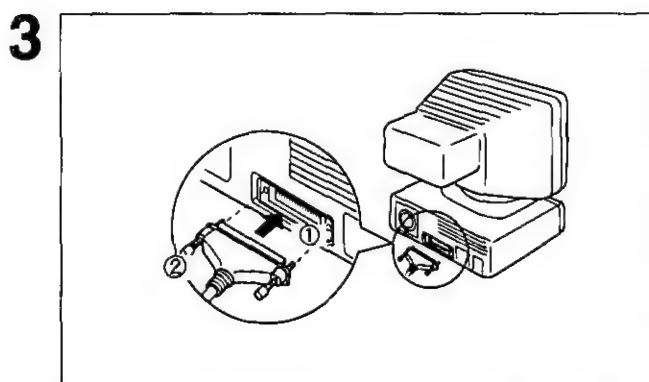
1 Turn "Off" the power on the fax machine and the PC.



① Remove the Parallel Port Cap from the fax machine.

② Connect the 36 pin Centronics male end of the cable to the Parallel Port on the fax machine.

③ Secure the connection with the 2 locking clips.



① Connect the DB-25 male end of the cable to the Parallel Port on your PC.

② Tighten the screws on the connector to secure the connection.

4 Turn "On" the power on both equipment.

! *Note: The IEEE 1284 Bi-Direction Parallel Port Cable can be purchased at a computer equipment store.*

Setting the Dialing Method (Tone or Pulse) ◀

Your machine can operate with either of two dialing methods (Tone or Pulse), depending on the type of telephone line you are connected to. If you need to change the dialing method to Tone or Pulse, follow the procedure below.

1

FUNCTION




SET MODE (1-8)

ENTER NO. OR V ^

2

4



SET



FAX PARAMETER (01-99)

NO. = ■

3

0



6



SET



06 DIALING METHOD

2:TONE

4

1



for Pulse.

or

2



for Tone.

06 DIALING METHOD

1:PULSE


or

06 DIALING METHOD


2:TONE

5

SET



STOP




▶ Adjusting the Volume

You can adjust the monitor and ringer volume on your machine. The built-in speaker enables you to hear the dial tone, dialing signals, and busy tone. The ringer sounds when your machine receives a call.

Setting the Monitor Volume

1




MONITOR

You will hear the dial tone through the speaker.



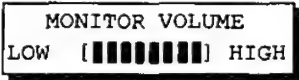
2




VOLUME +

repeatedly to raise the volume.

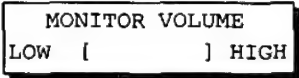
OR





VOLUME -

repeatedly to lower the volume.



3

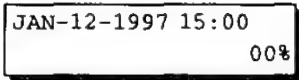


MONITOR


Setting the Ringer Volume

1

Standby



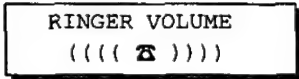
2




VOLUME +

repeatedly to raise the volume.

OR





VOLUME -


repeatedly to lower the volume.



3



STOP

 **Note:** You can also adjust the volume of the key touch tone and the volume of the buzzer in the Fax Parameter No. 10 (KEY/BUZZER VOLUME). (see page 37)

User Parameters ◀

Your facsimile machine has several basic settings (User Parameters) to help you keep records of the documents you send or receive. For example, the built-in clock keeps the current date and time, and your LOGO and ID Number help to identify you when you send or receive documents.

Setting the Date and Time

At standby the display will show the date and time. Once the standby display is set, it will automatically be updated.

1  

SET MODE (1-8)
 ENTER NO. OR V ^

2 

1:USER PARAMETERS?
 PRESS SET TO SELECT

3 

DATE & TIME
 1-01-0000 00:00

4 Enter the new date and time.

Ex: ① ①

① ②

① ⑨ ⑨ ⑦

① ⑤ ① ①



Month : January



Date : 12th

Year : 1997

Time : 3:00 PM

DATE & TIME
 01-12-1997 15:00

If you make a mistake, use  or  to move the cursor to the incorrect number and enter the new number over it.

5  

- !** **Note:** 1. The clock of your machine is equipped with D.S.T (Daylight Saving Time) system. So, your clock will automatically set the time forward from 2:00 AM to 3:00 AM on the first Sunday of April and set the time back from 2:00 AM to 1:00 AM on the last Sunday of October.
 If your state does not use the D.S.T. system, change the Fax Parameter No. 35 (DAYLIGHT TIME) to "Invalid" (see page 39).
2. The current Date & Time must be set because it is required by the Telephone Consumer Act of 1991. (For details, see FCC NOTICE at the end of this User's Guide)

▶ User Parameters

Setting Your LOGO

When you send a document, your LOGO appears on the top of the copy printed out at the other station.
The LOGO helps to identify you to someone who receives your document.

1



SET MODE (1-8)
ENTER NO. OR V ^

2



1: USER PARAMETERS?
PRESS SET TO SELECT

3



repeatedly until display shows;

LOGO
█

4

Enter your LOGO (max. 25 characters and digits) by using the Character keys (see page 11 and 13).

Ex: P A N A S O N I C

If you make a mistake, use < or > to move the cursor to the incorrect character and enter the new character over it.

If more than 19 characters are entered, the left side characters will scroll off the display.

LOGO
PANASONIC █

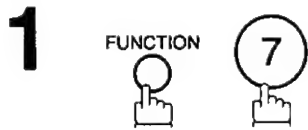
5



Note: Your Company Name or your name must be set as your LOGO because it is required by the Telephone Consumer Act of 1991. (For details, see FCC NOTICE at the end of this User's Guide)

Setting Your Character ID

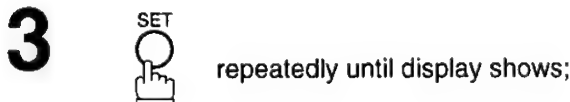
If the remote machine has a Character ID capabilities, when you are sending or receiving, your Character ID will appear on the remote machine's display and the remote machine's Character ID will appear on your display.



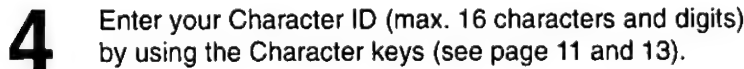
SET MODE (1-8)
ENTER NO. OR V ^



1:USER PARAMETERS?
PRESS SET TO SELECT





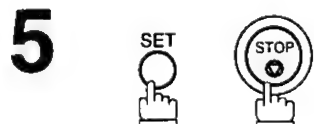
CHARACTER ID
█




Ex: **H E A D SPACE O F F I C E**

CHARACTER ID
HEAD OFFICE █

If you make a mistake, use  or  to move the cursor
to the incorrect character and enter the new character
over it.



 **Note:** The special characters of Å, Ä, Ö, Ü, Æ, ò and ó cannot be used for Character ID.

► User Parameters

Setting Your ID Number (Fax Telephone Number)

If the remote machine does not have a Character ID but it has an ID Number, when sending or receiving, your ID Number will appear on the remote machine's display and their ID Number will appear on your display.

We suggest you use your facsimile telephone number as your ID number. (max. 20 digits)

1



SET MODE (1-8)
ENTER NO. OR V ^

2



1:USER PARAMETERS?
PRESS SET TO SELECT

3



repeatedly until display shows;

ID NO.

4

Enter your ID (max. 20 digits) by using the key pad and **SPACE**.

Ex: ② ① ① **SPACE** ⑤ ⑤ ⑤
SPACE ① ② ① ②

ID NO.
201 555 1212

If you make a mistake, press **CLEAR** to erase the number then reenter the correct number.

5



Note: 1. You may use **(*)** to enter a "+" character at the beginning of the ID number to indicate the following digit(s) for your country code.

Ex: +1 201 555 1212 +1 for U.S.A. country code.

+81 3 111 2345 +81 for Japan country code.

2. Your Fax Telephone Number must be set as your ID Number because it is required by the Telephone Consumer Act of 1991. (For details, see FCC NOTICE at the end of this User's Guide)

One-Touch/Abbreviated Dialing Numbers


Entering One-Touch/Abbreviated Dialing Numbers

One-Touch and Abbreviated Dialing are two fast ways of dialing full telephone numbers. To use these dialing methods, you must first store the telephone number using the following procedure.


To enter a One-Touch key, follow the steps below

- 1

FUNCTION



7


- SET MODE (1-8)

ENTER NO. OR V A

2

2



SET



1:ONE-TOUCH

2:ABBR. NO.

3

1



ONE-TOUCH< >

PRESS ONE-TCH OR V A

4

Ex:

01

<01>

ENTER TEL. NO.

5

Enter the telephone number.
(up to 36 digits including pauses and spaces)

Ex:

9

PAUSE

5

5

5

SPACE

1

2

3

4

<01>

9-555 1234

6

SET



<01> ENTER NAME

9-555 1234

7

Enter the station name using character keys
(up to 15 characters).

Ex:

S

A

L

E

S

SPACE

D

E

P

T

<01> SALES DEPT

9-555 1234

8

SET



ONE-TOUCH< >

PRESS ONE-TCH OR V A

To record another number, repeat step 4 to 8.

To return to standby, press **STOP**.

► One-Touch/Abbreviated Dialing Numbers

To set an Abbreviated Dialing Number, follow the steps below

1

FUNCTION



SET MODE (1-8)
ENTER NO. OR V ^

2



SET



1: ONE-TOUCH
2: ABBR. NO.

3



ABBR. []
ENTER NO. OR V ^

4

Ex: ②② (01 to 72)

[22]
ENTER TEL. NO.

5

Enter the telephone number.
(up to 36 digits including pauses and spaces)

Ex: ⑨ [PAUSE] ⑤⑤⑤ [SPACE] ②③④⑤

[22]
9-555 2345

6



[22] ENTER NAME
9-555 2345

7

Enter the station name using character keys
(up to 15 characters).

Ex: A C C O U N T I N G

[22] ACCOUNTING
9-555 2345

8



To record another number, repeat step 4 to 8.
To return to standby, press [STOP].

ABBR. []
ENTER NO. OR V ^



Note: 1. If you require a special access number to get an outside line, enter it first and then press [PAUSE].
A hyphen "-" is displayed for pause.

2. Use [SPACE], [ABBR] or [MONITOR] to enter a space between the numbers to make it easier to read.

3. If you are using Pulse dialing and you wish to change to Tone dialing in the middle of dialing, press [TONE] (represented by a "/"). The dialing method will be changed from Pulse to Tone after dialing the digit "/".

Ex : 9 PAUSE TONE 5551234





4. You can search for an unused One-Touch key or ABBR. number by pressing [V] or [^] in step 3 or 4.


One-Touch/Abbreviated Dialing Numbers

Changing or Erasing One-Touch/Abbreviated Dialing Numbers










If you have to change or erase any of the One-Touch/Abbreviated dialing numbers, follow the steps below.

To change the settings of a One-Touch/ABBR. dialing number


- 1**    


1: ONE-TOUCH
 2: ABBR. NO.
- 2** Select 1 for One-Touch Dialing number
 Select 2 for ABBR. Dialing Number
Ex: 
- 3** Enter the station you wish to change
Ex: 01

ONE-TOUCH< >
 PRESS ONE-TCH OR V ^


<01> SALES DEPT
 9-555 1234
- 4** 
 then enter a new telephone number. (see Note 1 and 2)
Ex:  PAUSE    SPACE    

<01> SALES DEPT
 ENTER TEL. NO.

<01> SALES DEPT
 9-555 3456
- 5** 

<01> SALES DEPT
 9-555 3456
- 6** 
 then enter a new station name. (see Note 1 and 3)
Ex: P A N A F A X

<01> ENTER NAME
 9-555 3456

<01> PANAFAX
- 7** 
 To return to standby, press STOP.

ONE-TOUCH< >
 PRESS ONE-TCH OR V ^



Note: 1. Use < or > to move the cursor, then enter the correct number over the incorrect number.

2. Use COPY to insert a space between the numbers you have previously set. If the telephone number is 36 digits in length, COPY cannot be used to insert a space.

3. COPY cannot be used to insert a space while setting the station name.

4. If the One-Touch/Abbreviated dialing number has been used for a communication reservation, the settings cannot be changed or erased until the communication has finished.

To change or erase the settings, cancel the communication first by Edit File Mode (see page 86).

► One-Touch/Abbreviated Dialing Numbers

To erase the settings of One-Touch/ABBR. Dialing number

1

FUNCTION



7



2



SET



1:ONE-TOUCH
2:ABBR. NO.

2

Select 1 for One-Touch Dialing number
Select 2 for ABBR. Dialing Number

Ex: ①

ONE-TOUCH< >
PRESS ONE-TCH OR V ^

3

Enter the station you wish to erase

Ex:

01

<01> SALES DEPT
9-555 1234

4

CLEAR



<01> SALES DEPT
ENTER TEL. NO.

5

SET



ONE-TOUCH< >
PRESS ONE-TCH OR V ^

To return to standby, press **STOP**.



Note: If the One-Touch/Abbreviated dialing number has been used for a communication reservation, the settings cannot be changed or erased until the communication has finished.
To change or erase the settings, cancel the communication first by Edit File Mode (see page 86).

One-Touch/Abbreviated Dialing Numbers

Printing Out a Directory Sheet

After programming a one-touch dialing number, you can print out the directory sheet which includes the first 10 characters of each station name. Cut along the dotted line and place it over the One-Touch key under the Directory Sheet Cover. To print out a directory sheet, follow the steps below

1

FUNCTION



PRINT OUT (1-7)
ENTER NO OR V A

2



SET



* PRINTING *
DIRECTORY SHEET

Your machine prints out the directory sheet

```

***** -DIRECTORY SHEET- ***** DATE JAN-12-1997 ***** TIME 15 00 *****
  
```

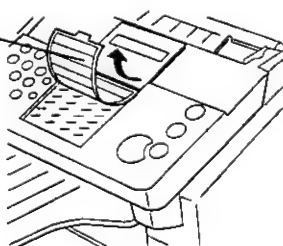
01	02	03	04
SALES	DEPT	ENG	DEPT
05	06	07	08
09	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
P1	P2	P3	P4

Dotted line

-PANASONIC-

***** -HEAD OFFICE - ***** 201 555 1212- *****

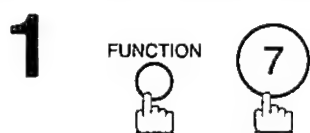
Directory Sheet Cover



► Customizing Your Machine

Your facsimile machine has a variety of adjustable Fax Parameters. These parameters, listed in the Parameter Table, are preset for you and do not need to be changed. If you do want to make a change, read the table carefully. Some parameters, such as the Resolution, Contrast, and Verification Stamp parameters, can be temporarily changed by simple key operation just before a transmission is made. When the transmission ends, however, these parameters return to their preset values (Home position). Other parameters can only be changed by the procedure described below.

Setting the Fax Parameters



SET MODE (1-8)
ENTER NO. OR V ^

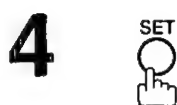


FAX PARAMETER (01-99)
NO. =

3 Enter Fax Parameter number from the Parameter Table (see pages 37 to 40).

Ex: ①① for **CONTRAST**

FAX PARAMETER (01-99)
NO. = 01

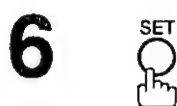


01 CONTRAST
1: NORMAL

5 Enter the new setting value.

Ex: ② for **LIGHTER**

01 CONTRAST
2: LIGHTER



02 RESOLUTION
1: STANDARD

To set another parameter, press **CLEAR** to return to step 3, or, to return to standby, press **STOP**.

! **Note:** 1. To scroll the Fax Parameters in Step 2 or 4, press **V** or **^**.
2. To print out a Fax Parameter List, see page 134.

Fax Parameter Table

No.	Parameter	Setting Number	Setting	Comments
01	CONTRAST	*1	Normal	Setting the home position of the CONTRAST key.
		2	Lighter	
		3	Darker	
02	RESOLUTION	*1	Standard	Setting the home position of the RESOLUTION key.
		2	Fine	
		3	S-Fine [UF-342] 300dpi [UF-344]	
04	STAMP	*1	Off	Setting the home position of the STAMP key. To select the stamp function when document is stored in memory, see Fax Parameter No. 28.
		2	On	
05	MEMORY	*1	Off	Setting the home position of the MEMORY key.
		2	On	
06	DIALING METHOD	1	Pulse	Selecting the dialing method.
		*2	Tone	
07	HEADER PRINT	*1	Inside	Selecting the printing position of the header. Inside : Inside TX copy area. Outside : Outside TX copy area. No print : Header is not printed.
		2	Outside	
		3	No print	
08	HEADER FORMAT	*1	Logo, ID No.	Selecting the header format.
		2	From To	
09	RCV'D TIME PRINT	*1	Invalid	Selecting whether or not the machine prints the received date & time, remote ID, percentage of reduction and page number on the bottom of each received page.
		2	Valid	
10	KEY/BUZZER VOLUME	1	Off	Selecting the volume of the Key/Buzzer tone.
		*2	Soft	
		3	Loud	
12	COMM. JOURNAL	1	Off	Selecting the home position of printout mode for COMM. Journal Off/Always/INC. Off : No printout Always : Always prints out Inc. only : Printout when communication has failed.
		2	Always	
		*3	Inc. only	

Continued on the next page.

► Customizing Your Machine

No.	Parameter	Setting Number	Setting	Comments
13	AUTO JOURNAL PRINT	1	Invalid	Selecting whether or not the machine prints the journal automatically after every 32 transactions.
		*2	Valid	
15	IN MODE	*1	Tel	Selecting IN (attended) mode as either Telephone Mode or Fax / Tel Auto Switching Mode.
		2	Fax/Tel SW	
16	OUT MODE	*1	Fax	Selecting OUT (unattended) mode as either Fax Mode or TAM Interface Mode.
		2	TAM I/F	
18	OP CALL TIMER	*1	20 sec.	Selecting the length of time that your machine signals (rings) for an incoming voice call in Fax/Tel Auto Switching mode (see page 64).
		2	30 sec.	
		3	40 sec.	
		4	50 sec.	
19	OGM LENGTH (TAM I/F)	1	1 sec.	Setting the OGM length of your TAM from 1 to 60 second. Unit will not start to detect SILENT after detecting a call in TAM Interface mode until the time lapse.
		---	---	
		60	60 sec.	
20	SILENT DET. (TAM I/F)	1	Invalid	Selecting the Silent Detection Mode.
		*2	Valid	
22	SUBSTITUTE RCV	1	Invalid	Selecting whether or not the machine receives to memory when recording paper runs out, Black ink runs out or recording paper is jammed.
		*2	Valid	
23	RECORDING PAPER SIZE	1	A4	Setting the recording paper size installed in your machine.
		*2	Letter	
		3	Legal	
24	PRINT REDUCTION	1	Fixed	<p>Selecting print reduction mode.</p> <p>Fixed: Reduce received document according to setting of Parameter No. 25.</p>
		*2	Auto	Auto: Reduce received document according to the length of received documents.
25	REDUCTION RATIO	70	70%	Selecting fixed print reduction ratio from 70% to 100%. This parameter functions only when fixed print reduction is selected on fax parameter no. 24.
		---	---	
		100	100%	
26	POLLING PASSWORD		(----	Setting a 4-digit password for secured polling.
27	POLLED FILE SAVE	*1	Invalid	Selecting whether or not the machine retains the polled document in memory even after the document is polled once.
		2	Valid	

Continued on the next page.

Customizing Your Machine

3

No.	Parameter	Setting Number	Setting	Comments
28	STAMP AT MEM. XMT	1	Invalid	Selecting whether or not the machine stamps the original documents when storing the documents into memory.
		*2	Valid	
35	DAYLIGHT TIME	1	Invalid	Selecting whether or not the clock adjusts for Daylight Saving Time automatically. The built-in clock will advance 1 hour at 2:00 am on the first Sunday in April and fallback 1 hour at 2:00 am on the last Sunday in October.
		*2	Valid	
36	RING PATTERN DETECT (DRD) (See Note 2)	*1	Invalid	All ring patterns.
		2	Valid	Select a ring pattern for automatic answering. 1: A Standard ring pattern. 2: B Double ring pattern. 3: C Triple ring pattern (Short-Short-Long). 4: D All other triple ring pattern, except the type C described above.
37	RCV TO MEMORY		(----	Enter a 4-digit password used to print out the received document in memory by F8-5 (RCV TO MEMORY). When F8-5 is set to On, this parameter will not be shown on the LCD display. (see page 95)
38	FAX ACCESS CODE		(----	Enter a 4-digit Fax Access Code to secure the machine from unauthorized use. (see page 92)
39	PIN CODE ACCESS	*1	None	Selecting the access method (Prefix or Suffix) to dial a number with PIN Code. (see page 93)
		2	Suffix	
		3	Prefix	
40	RELAY XMT REQUEST	*1	Invalid	Selecting whether or not the machine performs Relay XMT Request. (see page 111)
		2	Valid	
41	CONF. FAX PARAMETER	*1	Invalid	Selecting whether or not the machine performs Confidential Network Communication. (see page 107)
		2	Valid	
42	CONF. POLLED FILE SAVE	*1	Invalid	Selecting whether or not the machine saves the confidential polled file even after the file is polled once.
		2	Valid	
46	SELECT RCV	*1	Invalid	Selecting whether or not the machine performs the selective reception. (see page 99)
		2	Valid	

Continued on the next page.

► Customizing Your Machine

No.	Parameter	Setting Number	Setting	Comments
47	REMOTE RCV	1	Invalid	Selecting whether or not the machine accepts remote reception command (see page 63).
		*2	Valid	
52	DIAGNOSTIC PASSWORD		(----	Setting the password for Remote Diagnostic Mode. Please ask your Panasonic Authorized Dealer for details.
53	SUB-ADDRESS PASSWORD		(----	Setting a 20-digit password for secured sub-address communication.
98	COLOR COPY MEDIA [For UF-344 only]	*1	Plain Paper	Selecting the print media for color copies.
		2	Coated Paper	
		3	Transparency	
99	MEMORY SIZE	-	-	Display the amount of base and optional memory installed. (Base Memory + Optional Memory)



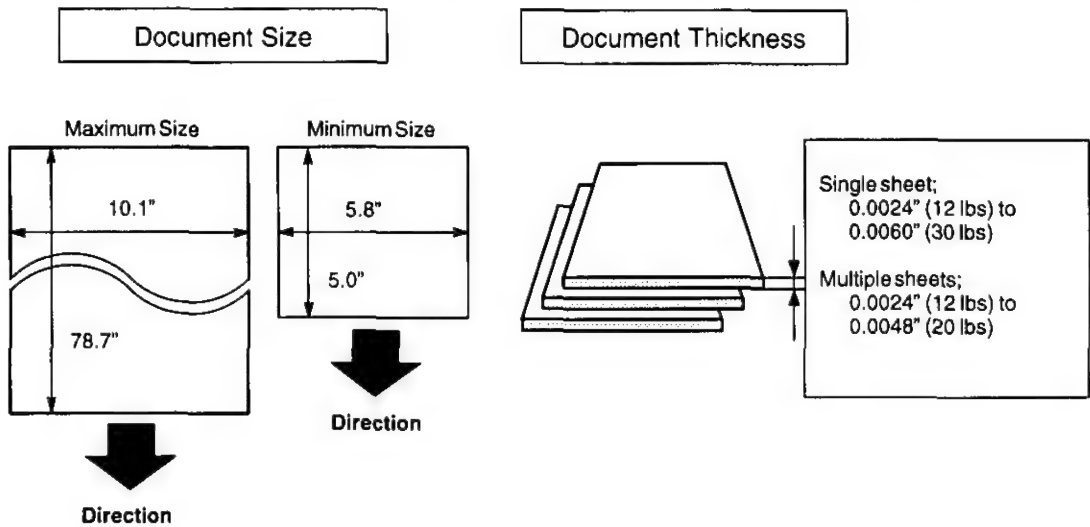
Note: 1. Setting number marked with asterisk (*) indicates the factory standard setting.

2. This parameter supports an optional telephone service "Distinctive Ring Service" provided by your local telephone company. It allows up to 4 different telephone numbers to be assigned on a single telephone line with a distinctive ring for each telephone number. By selecting the appropriate ring pattern associated with the telephone number assigned for your fax machine. It can differentiate and answer the incoming call on the fax number. All other calls on the other telephone numbers will not be answered. This optional service from your local phone company is also called Custom Ringing, Distinctive Ringing, Ident-a-call, Ident-a-ring, Personalized Ringing, RingMaster, RingMate, Selective Ringing, Smart Ring or something similar. Check with your local telephone company on the availability of this service in your area.

Loading Documents

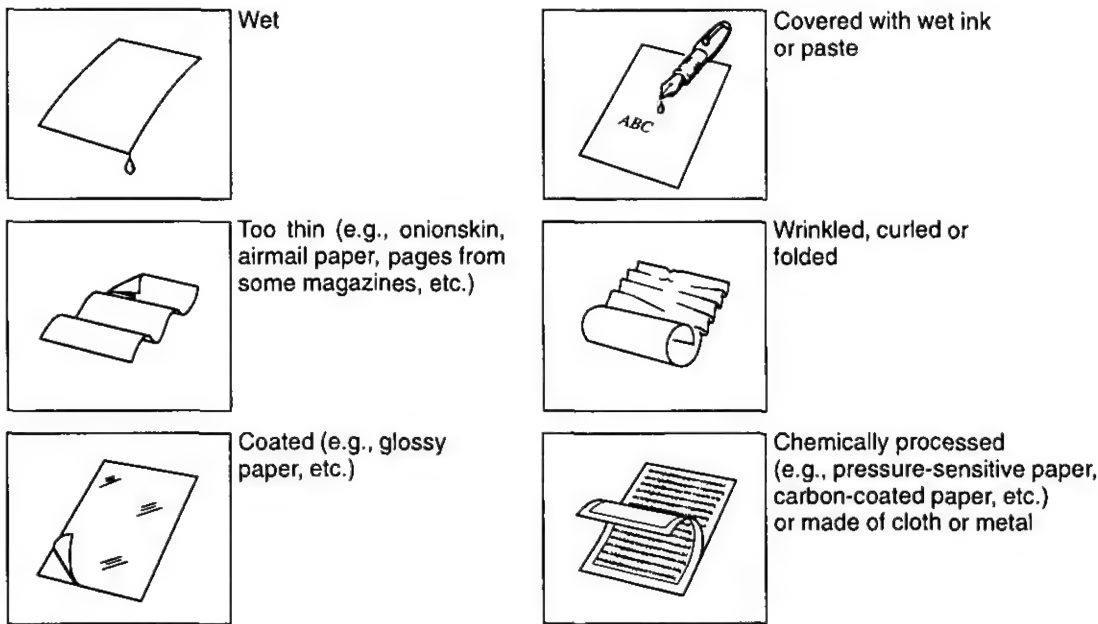
Documents You Can Send

In general, your machine will send any document printed on Letter or Legal size paper.



Documents You Cannot Send

You must never try to send documents that are

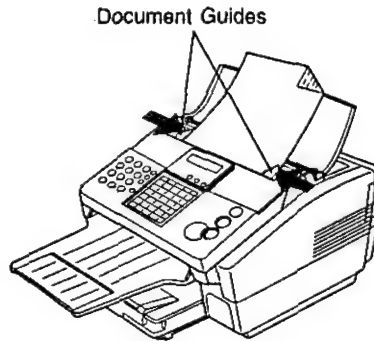


To transmit these kinds of documents, make a photocopy first and then transmit the copy instead.

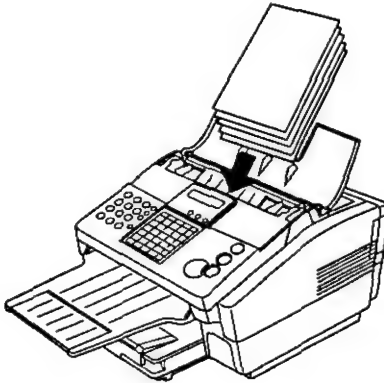
▶ Loading Documents

How to Load Documents

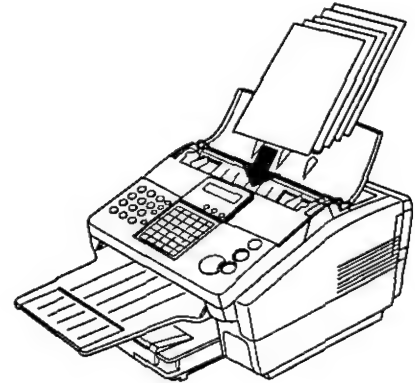
1. Be sure the document(s) is free of staples, paper clips and is not torn, greasy or covered by foreign objects.
2. Place the document(s) **FACE DOWN** on the Automatic Document Feeder (ADF) until the leading edge placed into the machine stops.
If you are sending multiple pages, make sure that **the bottom sheet enters first**. You can also stack **up to 30 PAGES** (see Note 1) on the ADF at one time. If you have more than 30 pages, wait until transmission or storing in memory starts as pages feed through, place any remaining pages on top of the last page in the feeder.
3. Adjust the Document Guides to center the document on the ADF.



CORRECT



INCORRECT



When you set a document on the ADF, the display message will change from date and time (standby) to the following message. You can now change basic transmission settings, or begin the dialing procedure.

ENTER STATION
00%



Note: 1. The document limitation to send multiple pages is as follows.

	Document Size	Document Thickness
Up to 20 pages	Up to 10.1"× 14.3" (257 mm × 364mm)	0.0024" (12 lbs) to 0.0048" (20 lbs)
Up to 30 pages*	A4 or Letter size	0.0024" (12 lbs) to 0.0039" (16 lbs)

* Please note that although the size and thickness meets the specifications, you might not be able to set 30 pages with some types of papers.

2. Transmitting documents longer than 14.3" (364 mm) requires user's assistance.

Basic Transmission Settings

You can temporarily change the transmission settings either before or after you place the document on the ADF. These settings are as follows;

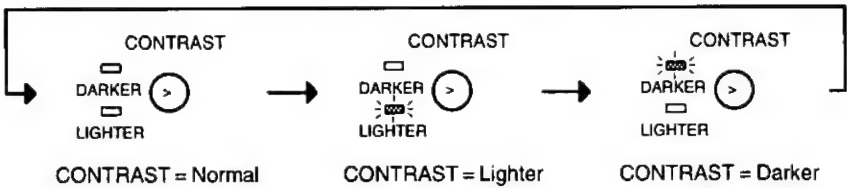
- Contrast
- Resolution
- Halftone
- Stamp
- Communication Journal

After your document has been sent, your machine will automatically return to the preset settings.

Contrast

Your machine is preset to **Normal** contrast. If you wish to send a document with lighter contrast, change the setting to **Lighter**. If you wish to send a document with darker contrast, change the setting to **Darker**.

Press **CONTRAST** to:



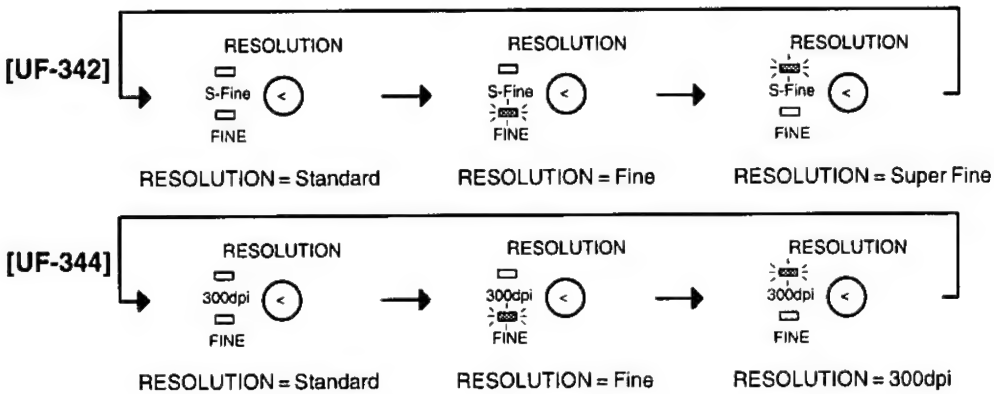
Note: To change the preset Contrast position, change the setting of Fax Parameter No. 01, see page 37.

Resolution

Your machine is preset to **Standard** resolution, which is suitable for most documents.

Use **Fine** or **Super Fine (UF-344 : 300 dpi)** for detailed documents.

Press **RESOLUTION** to:



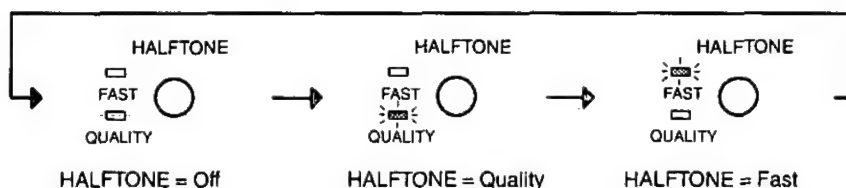
Note: To change the preset Resolution position, change the setting of Fax Parameter No. 02, see page 37.

► Basic Transmission Settings

Halftone

The Halftone setting is useful when sending photographs or illustrations with gray tones. Your machine is preset to HALFTONE = Off. You can select either Fast mode or Quality mode.

Press **HALFTONE** to:

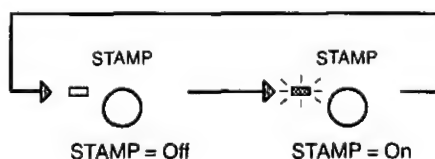


Note: When you select HALFTONE, FAST or QUALITY, your machine will automatically select *Fine Resolution*.

Verification Stamp

The Verification Stamp helps you to confirm successful transmissions by stamping the bottom of each successfully transmitted page with a small ⊗ mark.

Press **STAMP** to:



- Note:**
1. When you store a document in memory, the Verification Stamp will stamp on the document if it is successfully stored in memory. In this case the Verification Stamp is not a confirmation that the document was successfully transmitted. If you wish to disable the use of the Verification Stamp when storing document in memory, change the setting of Fax Parameter No. 28, see page 39.
 2. To change the preset Verification Stamp position, change the setting of Fax Parameter No. 04, see page 37.


Basic Transmission Settings ◀

Communication Journal (COMM. JOURNAL)

A Communication Journal lets you verify if the transmission was successful. You can select the condition to print out the Communication Journal as follows.

- | | |
|--|--|
| When you set COMM. JOURNAL = OFF , | a Communication Journal will not be printed out. |
| When you set COMM. JOURNAL = ON , | a Communication Journal is printed out automatically after every communication. |
| When you set COMM. JOURNAL = INC. , | a Communication Journal is printed out automatically only if the communication has failed. |

1

FUNCTION  




SELECT MODE (1-5)
ENTER NO. OR V ^

2

COMM. JOURNAL=INC
1:OFF 2:ON 3:INC

3

 for OFF.
or
 for ON (Always print out).
or
 for INCOMPLETE only.

COMM. JOURNAL=OFF
1:OFF 2:ON 3:INC


or

COMM. JOURNAL=ON
1:OFF 2:ON 3:INC

or

COMM. JOURNAL=INC
1:OFF 2:ON 3:INC

4



! **Note:** To change the preset Comm. Journal condition, change the setting of Fax Parameter No. 12, see page 37.

Sending Documents

You can choose Direct, Voice Mode or Memory Transmission.

Use Direct Transmission if:

- The memory is full.
- You want to send the document real time.

Use Voice Mode Transmission if:

- You want to send the document after talking with the other party.
- You want to send the document after listening to a voice prompting.

Use Memory Transmission if:

- You want to send the document to multiple stations.
- You have to retrieve the document immediately.
- You want to take the advantage of Dual Operation design.

Direct Transmission

If your machine's memory is full or you wish to send the document real time, use Direct Transmission.

Manual Number Dialing (Direct Transmission)

To dial the telephone number manually, follow the steps below.

1



Set document(s) face down.

ENTER STATION 00%

2



Make sure that the lamp is off. If not, press **MEMORY** to set "Off".

3

Enter a telephone number from the keypad.

Ex: ⑤⑤⑤①②③④

PRESS START TO DIAL
5551234

4



Your machine starts to dial the telephone number.

* DIALING *
5551234



Note: 1. If you need a special access number to get an outside line, dial it first then press **PAUSE** to enter a pause (represented by a "-") before dialing the full number.

Ex: 9 PAUSE 5551234

2. If you are using Pulse dialing and you wish to change to Tone dialing in the middle of dialing, press

TONE (represented by a "/").

The dialing mode will be changed from Pulse to Tone after dialing the digit "7".

Ex: 9 PAUSE TONE 5551234

3. To stop the transmission, press **STOP**.

The display shows:

COMMUNICATION STOP ?
1: YES 2: NO

Press ① to stop the transmission. The Communication Journal will not print out regardless of the printout mode setting of the Communication Journal.

► Sending Documents

One-Touch Dialing (Direct Transmission)

One-Touch Dialing allows you to dial a full telephone number by pressing a single key. To set up the One-Touch keys, see page 31.

1



Set document(s) face down.

ENTER STATION

00%

2



Make sure that the lamp is off. If not, press **MEMORY** to set "Off".

3

Press a One-Touch key.

Ex:

01

The display will show the One-Touch number and station name. The full number (e.g. 5551234) will then be dialed.

<01>(Station name)
5551234

* DIALING *
5551234



Note: To stop the transmission, press **STOP**.

The display shows:

COMMUNICATION STOP ?
1: YES 2: NO

Press **1** to stop the transmission. The Communication Journal will not print out regardless of the printout mode setting of the Communication Journal.

Sending Documents

Abbreviated Dialing (Direct Transmission)

Abbreviated dialing is a speedy way to dial a frequently dialed telephone number by preprogramming the telephone number into the built-in auto-dialer with a 2-digit abbreviated code. To program an abbreviated dialing number, see page 32.

1



Set document(s) face down.

ENTER STATION

00%

4

2



Make sure that the lamp is off. If not, press **MEMORY** to set "Off".

3

Press **ABBR** and a 2-digit code.

Ex: **ABBR**

1

0

[10] (Station name)
5553456

The display will show the ABBR number and station name. The full number (e.g. 5553456) will then be dialed.

* DIALING *
5553456



Note: To stop the transmission, press **STOP**.

The display shows:

COMMUNICATION STOP ?
1: YES 2: NO

Press **1** to stop the transmission. The Communication Journal will not print out regardless of the printout mode setting of the Communication Journal.

▶ Sending Documents

Directory Search Dialing (Direct Transmission)

Directory Search dialing allows you to dial a full telephone number by searching the station name entered in One-Touch keys or Abbreviated dialing numbers.

1



Set document(s) face down.

ENTER STATION

00%

2



Make sure that the lamp is off. If not, press **MEMORY** to set "Off".

3



ENTER LETTER (S)

P

4

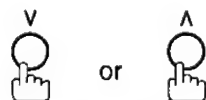
Enter the full station name or part of a station name by using the Character keys (see page 11 and 13).

Ex: **P** **A** **N** **A** for searching **PANASONIC**

ENTER LETTER (S)

PANA

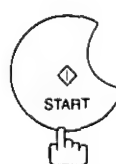
5



repeatedly until display shows the station name you want to send to.

[10] PANASONIC
5553456

6



The full number (e.g. 5553456) will be dialed.

* DIALING *
5553456



Note: To stop the transmission, press **STOP**.

The display shows:

COMMUNICATION STOP ?
1: YES 2: NO

Press **1** to stop the transmission. The Communication Journal will not print out regardless of the printout mode setting of the Communication Journal.

Sending Documents

Voice Mode Transmission

If you wish to send the document after talking with other party, use Voice Mode Transmission. Your machine requires an external telephone.

Off-Hook Dialing

For Off-Hook Dialing, follow the steps below.

1



Set document(s) face down.

ENTER STATION
00%

2

Lift the handset and dial the telephone number.

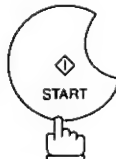
Ex: (5)(5)(5)(1)(2)(3)(4)

* PHONE OFF HOOK *

3

When you hear the voice of the other party, tell the other party to prepare to receive a document.

Then, when you hear a beep,



and hang up the handset.

ON LINE * XMT *



Note: To stop the transmission, press **STOP**.

The display shows:

COMMUNICATION STOP ?
1: YES 2: NO

Press **1** to stop the transmission. The Communication Journal will not print out regardless of the printout mode setting of the Communication Journal.

▶ Sending Documents

On-Hook Dialing

For On-Hook Dialing, follow the steps below.

1



Set document(s) face down.

ENTER STATION 00%

2



You will hear dial tone through the monitor speaker.

* MONITOR *

3

Dial the telephone number from the keypad.

Ex: ⑤⑤⑤①②③④

* DIALING *
5551234

4

When you hear a beep,



ON LINE * XMT *
5551234



Note: 1. If you need a special access number to get an outside line, dial it first then press **PAUSE** to enter a pause (represented by a "-") before dialing the full number.

Ex: 9 PAUSE 5551234

2. If you are using Pulse dialing and you wish to change to Tone dialing in the middle of dialing, press **TONE** (represented by a "/").

The dialing mode will be changed from Pulse to Tone after dialing the digit "/".

Ex: 9 PAUSE TONE 5551234

3. To stop the transmission, press **STOP**.

The display shows:

COMMUNICATION STOP ?
1: YES 2: NO

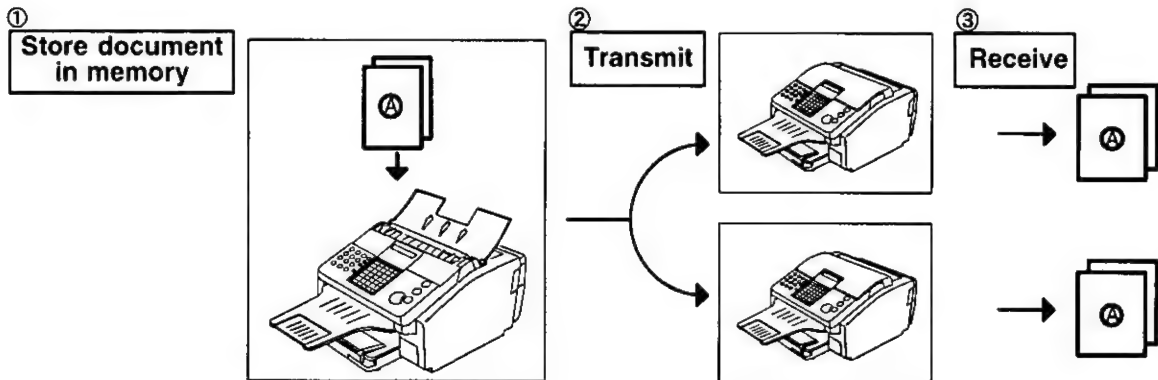
Press ① to stop the transmission. The Communication Journal will not print out regardless of the printout mode setting of the Communication Journal.

Memory Transmission

Your machine quickly stores the document into the machine's memory.

Then, starts to dial the telephone number.

If the transmission fails, your machine will re-transmit the remaining unsuccessful page(s) automatically.



Note: 1. The File Number of the document being stored is shown at the upper right corner of the display while storing the document. It is also printed on the Communication Journal (COMM. JOURNAL), 32 Transaction Journal and File List. The percentage of memory used is shown on the lower right corner of the display after each page is stored.

```
* STORE *      NO.003
      PAGES=02   10%
```

```
* STORE * COMPLETED
TOTAL PAGES=05   30%
```

```
MEMORY OVERFLOW
INFO. CODE=870
```

```
15 PAGES COMPLETED
DELETE? 1:YES 2:NO
```

```
INCOMPLETE
INFO. CODE=XXX
```

2. If a memory overflow occurs while storing documents into memory, all the remaining documents in the ADF will be ejected. The machine will prompt on the display, whether to start transmitting those pages which are successfully stored or to cancel the transmission. Press ① to cancel; press ② to transmit. See Specifications, page 157 for the image memory capacity.
If no action is taken within 10 seconds, the machine will start transmitting the stored pages.

3. An Information Code will be displayed if the transmission has failed or no answer at the receiving side after the last automatic redial. The document stored for this transmission will be erased from the memory automatically and the transmission is marked with the Information Code or "BUSY" on the Communication Journal (COMM. JOURNAL).

4. To stop the transmission, press **STOP**.

The display shows:

```
COMMUNICATION STOP ?
1:YES 2:NO
```

Press ① to stop the transmission. The document you stored will be erased automatically.

5. If you would like to print a Communication Journal (COMM. JOURNAL) after stopping a transmission, press

① when the display shows:

```
PRINT COMM. JOURNAL?
1:YES 2:NO
```

Sending Documents

Manual Number Dialing

To dial the telephone number manually, follow the steps below.

1



Set document(s) face down.

ENTER STATION 00%

2



Make sure that the MEMORY lamp is on.
If not, press **MEMORY** to set "On".

ENTER STATION(S)
THEN PRESS START 00%

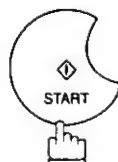
3

Enter a telephone number from the keypad.

Ex: ⑤⑤⑤①②③④

TEL. NO.
5551234

4



The document is stored into memory with a file number.
Then starts to dial the telephone number.

* STORE * NO.002
PAGES=01 05%

* STORE * COMPLETED
TOTAL PAGES=05 25%

* DIALING * NO.002
5551234



Note: 1. If you need a special access number to get an outside line, dial it first then press **PAUSE** to enter a pause (represented by a "-") before dialing the full number.

Ex: 9 PAUSE 5551234

2. If you are using Pulse dialing and you wish to change to Tone dialing in the middle of dialing, press **TONE** (represented by a "/").

The dialing mode will be changed from Pulse to Tone after dialing the digit "/".

Ex: 9 PAUSE TONE 5551234

One-Touch Dialing

One-Touch Dialing allows you to dial a full telephone number by pressing a single key. To set up the One-Touch keys, see page 31.

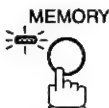
1



Set document(s) face down.

ENTER STATION00%

2



Make sure that the MEMORY lamp is on.
If not, press **MEMORY** to set "On".

ENTER STATION(S)
THEN PRESS START 00%

3

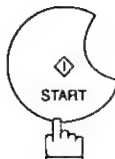
Press a One-Touch key.

Ex:

01

<01> (Station name)
5551234

4



The document is stored into memory with a file number.
Then starts to dial the telephone number.

* STORE * NO.002
PAGES=01 05%

* STORE * COMPLETED
TOTAL PAGES=05 25%

* DIALING * NO.002
5551234

Sending Documents

Abbreviated Dialing

Abbreviated dialing is a speedy way to dial a frequently dialed telephone number by preprogramming the telephone number into the built-in auto-dialer with a 2-digit abbreviated code. To program an abbreviated dialing number, see page 32.

1



Set document(s) face down.

```
ENTER STATION
                                00%
```

2



Make sure that the MEMORY lamp is on.

If not, press **MEMORY** to set "On".

```
ENTER STATION(S)
THEN PRESS START 00%
```

3

Press **ABBR** then enter a 2-digit code.

Ex: **ABBR**

1

0

```
[10] (Station name)
5553456
```

4



The document is stored into memory with a file number.
Then starts to dial the telephone number.

```
* STORE *      NO.002
      PAGES=01  05%
```

```
* STORE * COMPLETED
TOTAL PAGES=05  25%
```

```
* DIALING *    NO.002
5553456
```

Sending Documents

Directory Search Dialing

Directory Search dialing allows you to dial a full telephone number by searching the station name entered in One-Touch keys or Abbreviated dialing numbers.

1



Set document(s) face down.

ENTER STATION 00%

2



Make sure that the MEMORY lamp is on.
If not, press **MEMORY** to set "On".

ENTER STATION(S)
THEN PRESS START 00%

3



ENTER LETTER(S)
I

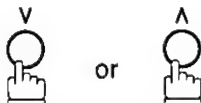
4

Enter the full station name or part of a station name by using the Character keys (see page 11 and 13).

Ex: **P** **A** **N** **A** for searching **PANASONIC**

ENTER LETTER(S)
PANA

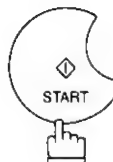
5



repeatedly until display shows the station name you want to send to.

[10] PANASONIC
5553456

6



The document is stored into memory with a file number.
Then starts to dial the telephone number.

* STORE * NO.002
PAGES=01 05%

* STORE * COMPLETED
TOTAL PAGES=05 25%

* DIALING * NO.002
5553456

► Sending Documents

Multi-Station Transmission (Broadcasting)

If you have to send the same document(s) to multiple stations, you can save time in feeding the document(s) by using memory transmission. That is, you can store the document(s) into memory and then send it to the station(s) automatically.

1



Set document(s) face down.

ENTER STATION
00%

2



Make sure that the MEMORY lamp is on.
If not, press **MEMORY** to set "On".

ENTER STATION(S)
THEN PRESS START 00%

3

Dial by any combination of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Manual Number Dialing, press **SET** after each station is entered (Up to 12 stations)
- Directory Search Dialing, press **SET** after each station is entered
(For details, see page 54 to 57.)

Ex: 01



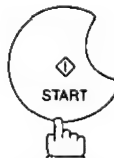
<01>(Station name)
5551234

[10](Station name)
5553456

If you want to confirm the number of stations you have entered, press **SET**.

2 STN(S) ARE SET
ADD MORE OR START

4



The document is stored into memory with a file number.
Then starts to dial the telephone number in sequence.

* STORE * NO.001
PAGES=01 01%

* DIALING * NO.001
5551234



Note: You can review the stations you entered in step 3 before storing your document into memory by pressing **▼** or **▲**. Press **CLEAR** to clear an entered station shown on the display if needed.

Transmission Reservation

You can do the following while sending a document from memory or receiving a document.

- Reserve the next transmission into memory for up to 10 different documents.
- Reserve a priority transmission.

Memory Transmission Reservation (Multi-tasking)

If your machine is on-line busy transmitting from memory, receiving or printing received documents, you can reserve transmission by the following procedure.

1 Your machine is on-line, the LCD is as shown to the right.


ON LINE * MEM.XMT *
ID: (Identification)

ON LINE * RCV *
ID: (Identification)

* PRINTING *
MEMORY RCV'D DOC

2  Set document(s) face down.

ENTER STATION
00%

3  Make sure that the MEMORY lamp is on.
If not, press **MEMORY** to set "On".


ENTER STATION(S)
THEN PRESS START 00%

4 Dial by any combination of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Manual Number Dialing, press **SET** after each station is entered (Up to 12 stations)
- Directory Search Dialing, press **SET** after each station is entered
(For details, see page 54 to 57.)

Ex:

<01>(Station name)
5551234

5  Your machine will store the document into memory.

* STORE * NO.005
PAGES=01 01%

* STORE * COMPLETED
TOTAL PAGES=05 25%

 **Note:** To cancel the memory transmission reservation, see page 90.

Sending Documents

Direct Transmission Reservation (Priority Transmission Reservation)

If you are in a rush to send an urgent document, however there are many files in the memory, use Direct Transmission Reservation to send the urgent document. The urgent document will be sent immediately after the current communication is finished.

Note that you cannot send documents to multiple stations.

To reserve your machine for sending the urgent documents

- 1 Your machine is on-line, the LCD is as shown to the right.


ON LINE * MEM.XMT *
ID: (Identification)

ON LINE * RCV *
ID: (Identification)

* PRINTING *
MEMORY RCV'D DOC

ENTER STATION
00%

- 2  Set document(s) face down.

- 3  Make sure that the lamp is off. If not, press **MEMORY** to set "Off".

- 4 Dial by using any one of the following methods:
 - One-Touch Dialing
 - Abbreviated Dialing
 - Manual Number Dialing and press **START**
 - Directory Search Dialing and press **START**
(For details, see pages 47 to 50.)

Ex:



You can reserve sending an urgent document to a single station only.

A message "DIRECT XMT RESERVED" will be shown on the display.

<01> (Station name)
5551234

DIRECT XMT RESERVED
<01> (Station name)

To cancel the direct transmission reservation

- 1 Make sure the document is on the ADF.
- 2 
- 3  and then remove the document from ADF.

DIRECT XMT RESERVED
<01> (Station name)

CANCEL XMT RESERVE ?
1: YES 2: NO

Redialing

Automatic Redialing

If the line is busy or there is no answer, your machine will redial the number up to 5 times at 3 minutes interval. During that time, a message will appear as shown to the right.

A file number is shown at the upper right corner of the display if it is a memory transmission file.

WAIT TO DIAL NO.001
 (Telephone number)

Manual Redialing

You can also redial the last dialed number manually by pressing **REDIAL** key.

To redial the last dialed number through memory

1



Set document(s) face down.
 Make sure that the MEMORY lamp is on.

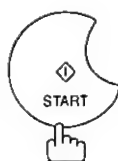
ENTER STATION(S)
 THEN PRESS START 00%

2



TEL. NO.
 5551234

3



The document is stored into memory with a file number.
 Then dials the last dialed number.

* STORE * NO.002
 PAGES=01 01%

* DIALING * NO.002
 5551234

To redial the last dialed number through ADF

1



Set document(s) face down.
 Make sure that the MEMORY lamp is off.

ENTER STATION
 00%

2



Your machine starts to dial the last dialed number.

TEL. NO.
 5551234

* DIALING *
 5551234







Note: 1. While the unit is displaying "WAIT TO DIAL", you can press **REDIAL** to start redialing immediately.
 2. While the unit is displaying "DIALING" and a message is heard through the monitor that the circuits are busy....., you can press **REDIAL** to start redialing immediately.

▶ Receiving Documents

Reception Modes

You can select one of the four modes as shown below.

Conditions	Suggested Reception Mode	Settings
You normally receive only voice calls.	<u>Telephone Mode</u> (IN Mode) You can answer the incoming call via an External Telephone (Optional). If you receive a fax calling signal, simply press START to receive manually. (see page 63)	① Fax Parameter No. 15 set to 1 : Tel ②  Lamp : OFF
You receive both voice and fax calls.	<u>Fax / Tel Auto Switching Mode</u> (IN Mode) Unit will answer the incoming call then distinguishes whether it is voice or fax call. If it is a fax call, the unit will receive automatically. If it is a voice call, the unit will signal (rings) through the speaker for your attention. (see page 64)	① Fax Parameter No. 15 set to 2 : Fax / Tel SW. ②  Lamp : OFF
You normally receive fax calls only.	<u>Fax Mode</u> (OUT Mode) Unit will receive the document automatically. All incoming calls (including a voice call) are answered by the fax machine. (see page 65)	① Fax Parameter No. 16 set to 1 : Fax ②  Lamp : ON
You receive both voice and fax calls. And a Telephone Answering Machine (TAM) is connected.	<u>TAM Interface Mode</u> (OUT Mode) The TAM answers the incoming call. During that time, the unit also monitors whether it is a voice call, the TAM continues to operate. If it is a fax call, the unit will automatically switch the line to fax and begin receiving document. (see page 66)	① Fax Parameter No. 16 set to 2 : TAM I/F. ②  Lamp : ON



Note: 1. Depending on the model of the Telephone Answering Machine (TAM) that is connected, some of the features may not be compatible with your fax machine operating in the TAM Interface mode.
2. If you are using the "Distinctive Ring Service" provided by your local telephone company, please note that the ring pattern for your fax number must match with the setting of Fax Parameter No. 36 (Ring Pattern Detect). (see page 39)
If the setting does not match with the ring pattern, your machine will not receive a document automatically and the telephone will continue to ring.
Furthermore, if your TAM does not support the "Distinctive Ring Detector" service, it may not function properly in TAM Interface.

Receiving Documents ◀

Telephone Mode

When your machine is set to this mode, your machine will not receive documents automatically. If you receive a fax call, follow the procedure below to receive documents manually.

Setting the Telephone Mode

1 Change Fax Parameter No. 15 (IN MODE) to 1 : Tel. (see page 38)

2



Confirm that the lamp is OFF and the display is as shown to the right.

JAN-12-1997 15:00
RCV MODE=TEL 00%

Operation of Telephone Mode

1

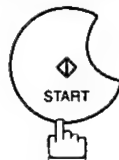
When your telephone rings, lift the handset of the External Telephone.

If you hear a beep from the phone, it means someone wants to send a fax. Or, if the caller answers and says he/she wants to send a fax, then...

2

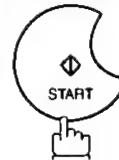
Remove any document from the ADF.

3a



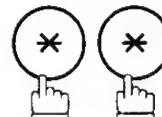
If you answered the call using the External Telephone,

3b



If you answered the call on an Extension phone,

or



within 1 second on the telephone. (see Note)

Your machine will be activated remotely.

4

Hang up the phone.



Note: This procedure is called "REMOTE RCV" and will only work on a touch tone phone. If your extension phone is not a touch tone phone, press **START** on the control panel of your fax machine.

► Receiving Documents

Fax / Tel Auto Switching Mode

When your machine is set to this mode, your machine will switch to document reception or voice communication automatically.

Setting the Fax / Tel Auto Switching Mode

1 Change Fax Parameter No. 15 (IN MODE) to 2: Fax / Tel SW. (see page 38)

2



Confirm that the lamp is OFF and the display is as shown to the right.

JAN-12-1997 15:00
RCV MODE=FAX/TEL 00%

Operation of Fax / Tel Auto Switching Mode

1 Your machine will answer the call when a call is received, then distinguish whether it is a voice or fax call.

If it is a Fax call,

2a Your machine begins to receive the documents.

If it is a Voice call,

2b Your machine begins signal (ringing) through the machine's speaker for your attention. (see Note)

3b Lift the handset of the External Telephone and press **STOP**.

4b Begin conversation.



Note: 1. The length of time the machine signals can be changed by Fax Parameter No. 18 (OP CALL TIMER) (see page 38).

2. To adjust the Ringer Volume refer to page 26.

Fax Mode

When your machine is set to this mode, it will immediately begin to receive documents automatically when a call is received.

Setting the Fax Mode

1 Change Fax Parameter No. 16 (OUT MODE) to 1: Fax. (see page 38)

2



Confirm that the lamp is ON and the display is as shown to the right.

JAN-12-1997 15:00
00%

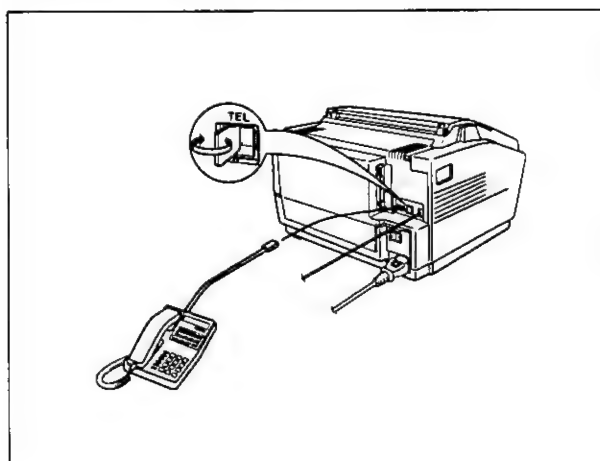
Operation of Fax Mode

Your machine will begin receiving automatically when a fax call is received.

TAM (Telephone Answering Machine) Interface Mode

Your machine is equipped with a unique feature called TAM Interface which enables it to automatically switch a single telephone line either to Fax or TAM. You can connect most TAMs in the market to your machine and use your existing telephone line very efficiently. However, some TAMs may not be compatible with this machine. For the operation of your TAM, please refer to the User's Guide of the TAM.

Installing your TAM



- ① Remove the telephone line cord of your TAM from the wall jack.
- ② Plug the telephone line cord of your TAM into the TEL jack on the rear of the fax machine as shown.

► Receiving Documents

Setting the TAM Interface Mode

1 Change Fax Parameter No. 16 (OUT MODE) to 2: TAM I/F. (see page 38)

2



Confirm that the lamp is ON and the display is as shown to the right.

JAN-12-1997 15:00
RCV MODE=FAX/TAM 00%

Operation of TAM Interface Mode

1 When your TAM and Fax receives an incoming call, the TAM always answers the call first and then the TAM sends an OGM (Outgoing Message) recorded in your TAM to the calling station. During the time the TAM is answering the call, your fax machine will be monitoring the line to distinguish whether it is a voice or fax call.

If it is Fax call,

2a

Your machine will switch the line to the fax and then begin to receive the documents immediately from the calling station.

If it is a Voice call,

2b

Your TAM continues to record a message (ICM) after sending out an OGM.

Sample of OGM

Hello, this is Smith. Sorry I am unable to take your call. Please leave your message after the beep or if you are calling to send a fax, press the asterisk button twice on your touch tone phone now and start your machine. Thank you for calling.

Silent Detection Mode

Enables your Fax machine to switch to the Fax Mode when receiving from units that do not send fax signal (short beep) and prevents your TAM from recording blank (long silence) incoming message.

To activate this feature,

1. Change Fax Parameter No. 20 (SILENT DET.) to 2 : Valid. (see page 38)
2. Set the time length of the OGM recorded in your TAM with the Fax Parameter No. 19 (OGM LENGTH). (see page 38)

[We recommend to set the time length 5 or 6 seconds longer than the actual time length of the OGM.]

Print Reduction

This machine can use Letter, Legal or A4 size plain paper for recording. Sometimes, oversized documents sent to you by the other parties cannot be printed within a single page. When this occurs, the document will be divided into separate pages.

This machine is equipped with a Print Reduction function to solve this problem. You may select the most appropriate setting from the selections described below.

1. Automatic Reduction

Each page of a received document is first stored in memory. Based on the document length, your machine will automatically calculate the suitable reduction ratio (70% to 100%) to print the entire document on a single page. If the received document is extremely long (over 35% longer than the recording paper), the document will be divided into separate pages and printed with no reduction.

IMPORTANT !

This mode requires the entire page to be received into memory first before printing. However, this mode is disabled automatically and fixed reduction mode will be used in the cases described below:

- a) Available memory is low
e.g. deferred transmission is stored in memory.
- b) Receiving documents with large amount of data
e.g. photo sent by halftone mode.

2. Fixed Reduction

You can pre-determine the reduction ratio from 70% to 100% in 1% steps. The document(s) you receive will be reduced to the fixed ratio regardless of size.

Selecting the Print Reduction Mode

Set Fax Parameters as shown below. (see page 38)

1. To set Automatic Reduction mode.
 - (1) No. 24 Print Reduction set to "Auto".
2. To set Fixed Reduction mode.
 - (1) No. 24 Print Reduction set to "Fixed".
 - (2) No. 25 Reduction Ratio set to any number between 70% through 100%. (see Note)
Ex: A4 to A4 – 96%
A4 to Letter – 90%
Letter to Letter – 96%
Legal to Letter – 75%



Note: If the sending side is set to print the header on the outside of the copy area, more reduction ratio will be required.

► Receiving Documents

Substitute Memory Reception

If the recording paper runs out, jams or if the Black ink runs out during reception, the machine automatically starts receiving document into its image data memory. Stored documents are printed automatically after replacing the recording paper or print cartridge.

- 1 When the machine finishes the memory reception and there is no recording paper or Black ink, an Information Code appears on the display.

NO RECORDING PAPER
INFO. CODE=010

OUT OF BLACK INK
INFO. CODE=015

- 2 Install the recording paper (see page 20) and press **START** or replace the print cartridge (see page 148).

The machine will automatically start printing the document stored in the memory.

* PRINTING *
MEMORY RCV'D DOC



Note: 1. If the memory overflows, the machine will stop receiving and release the communication line.
The document(s) stored in the memory up to that moment will be printed out.

2. If you wish to turn off the substitute reception function, change the setting of Fax Parameter No. 22 to "Invalid" (see page 38).

Monochrome Copies

Your machine has a copy function which can make single or multiple copies. When copying, your machine will automatically select Fine resolution (UF-344: 300 dpi).

1



Set document(s) face down.

ENTER STATION
00%

2



COPY ZOOM(∇∧)=100%
NO. OF COPY=1

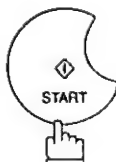
3

Enter the number of copies and press ☐ and ☐ key to set the zoom ratio in 1% step. (70% to 141%)

Ex: ①① copies with 100% ratio

COPY ZOOM(∇∧)=100%
NO. OF COPY=10

4



The machine stores the document, then prints the copies.

* STORE * NO.005
PAGES=01 01%

* STORE * COMPLETED
TOTAL PAGES=05

* COPY * 100%
NO. OF COPY=01/10

Making Copies

Color Copies (For UF-344 only)

The UF-344 can also make color copies. Make sure that the Color Print Cartridge (Order No.:UG-3503A) has been installed in your machine.

Selecting Color Copy Media

The type of print media affects the quality of color printing. The UF-344 has 3 types of print media to select from in the Fax Parameter No. 98 for color copy (Plain Paper, Coated Paper or Transparency). Set the Fax Parameter to the appropriate media first.

Follow the guidelines below to select a suitable media.

[1: Plain Paper]

For ordinary color copies, use a plain copier paper, bond paper or photocopy paper.

[2: Coated Paper]

For important presentations or documents that include intensive graphics and color, use a coated paper or a similar media.

On this type of paper, the printer will produce more vivid colors. When printing on coated paper, print on the whiter side only.

[3: Transparency]

For overhead projections, use a transparency film designed for ink jet printing.

Do not use ordinary transparency films, they do not absorb ink.

Selecting Color Copy Mode (HALFTONE Key Setting)

Depending on your requirements, you may select the printing speed and quality, by using the HALFTONE key.

[HALFTONE = Normal (LED Off)]

Select Normal Mode for a document that contains the same colors as in the ink cartridge (cyan, magenta, yellow and black).

[HALFTONE = Fast]

Select Fast Mode for high-speed and economy printing of full-color document.

[HALFTONE = Quality]

Select Quality Mode for high-quality printing of full-color document.

Making Copies ◀

Making a Color Copy

Follow the steps below to make a color copy.

1



Set document(s) face down.

ENTER STATION 00%

2



Make sure that the Color lamp is on.

3



COPY ZOOM(√∧)=100%
< > KEY TO SET COLOR

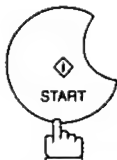
4

Press and keys to set the zoom ratio in 1% step (70% to 141%).

Ex: 141% ratio

COPY ZOOM(√∧)=141%
< > KEY TO SET COLOR

5



The machine starts to make the color copy.

COLOR COPY 141%



- Note:**
1. UF-344 automatically selects "300dpi" for the resolution setting and "Normal" for the contrast setting.
 2. UF-344 does not support multiple color copies of an original document.
 3. If the color print quality does not match the color of the original document, the color printer and scanner may require calibration. (see page 72 to 73)

Adjusting the Color Calibration (Balance) Automatically

If you feel that the color print quality does not match the color on the original document, follow the procedure below to synchronize the color printing quality with the color scanning quality.



7: COLOR CALIBRATION?
PRESS SET TO SELECT

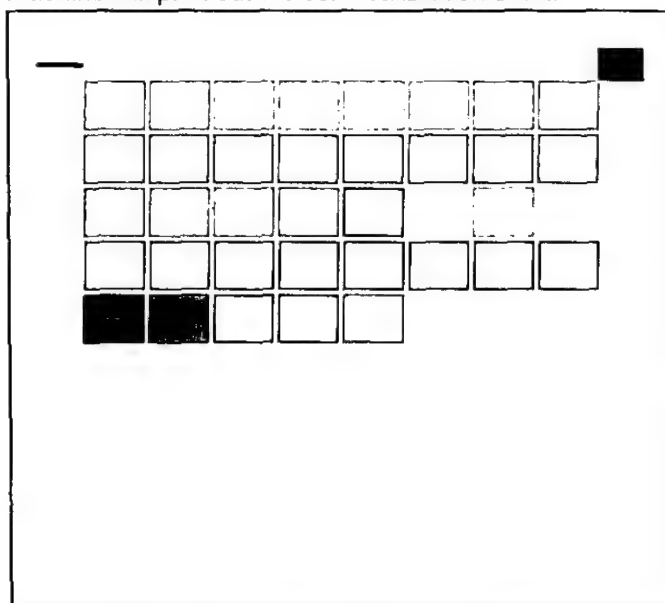
2



* PRINTING *

CALIBRATION CHART

Machine will print out the color calibration chart.



After printing the color calibration chart, the following message will be shown on the display.

SET CHART ON THE ADF
AND THEN PRESS START

3

Check the print quality on the color calibration chart.

If the chart is missing a color or dots/lines, press **STOP** and replace the print or ink cartridge first.

Then, check the print quality of the color copy.

4

If the chart has no quality problem, set the test chart face down on ADF. Then, press **START**

* CALIBRATING *



* CALIBRATION *
COMPLETED



Note: 1. Before printing the color calibration chart, perform the Print Head Cleaning cycle a few times and make sure that all the ink colors are printed correctly on the Ink Test Pattern (see page 145).

2. If the following message is shown on the display after pressing **START**, please contact your local Panasonic dealer for maintenance on your machine.

CALIBRATION FAILED
INFO. CODE=027

Adjusting the Color Calibration (Balance) Manually

Even after adjusting the color balance automatically, you still feel that the color print quality does not match the original color document, you may adjust individual color balance manually when making a color copy.

- 1 Follow the step 1 to 3 on page 71 to make a color copy.
The following message is shown on the display.

COPY ZOOM(√∧)=100%
< > KEY TO SET COLOR

- 2 Press or key repeatedly until the display shows the item (Hue, Brightness and Saturation) you want to set.

HUE
LOW NORMAL HIGH

BRIGHTNESS
LOW NORMAL HIGH

SATURATION
LOW NORMAL HIGH

Sample of Original Color Document



Reproduced from Kodak Photo CD Sampler with File.

- 3a Select Low or High for the Hue with and keys.

Low



Reproduced from Kodak Photo CD Sampler with File.

High



Reproduced from Kodak Photo CD Sampler with File.

► Making Copies

3b Select Low or High for the Brightness with ☐ and ☐ keys.

Low



Reproduced from Kodak Photo CD Sampler with File.

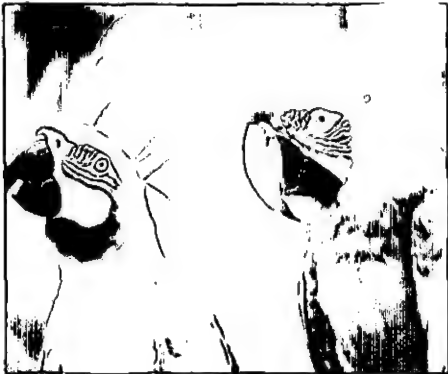
High



Reproduced from Kodak Photo CD Sampler with File.

3c Select Low or High for the Saturation with ☐ and ☐ keys.

Low



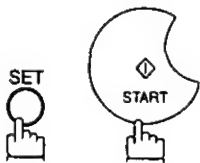
Reproduced from Kodak Photo CD Sampler with File.

High



Reproduced from Kodak Photo CD Sampler with File.

4




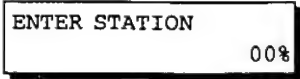


The machine starts to make the color copy.

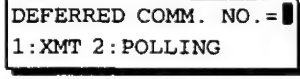

Timer Controlled Communications

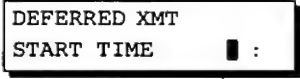





You can send a document to one or multiple stations at any preset time within the next 24 hours. Up to 6 built-in timers can be set for deferred transmission and deferred polling.

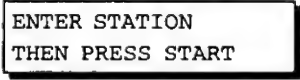

Deferred Transmission

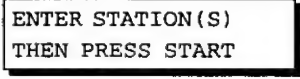
- 1**  Set document(s) face down.




- 2**  



- 3** 

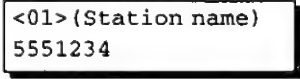


- 4** Enter the start time from the keypad.
(Use a 4-digit, 24-hour clock)
Ex:  (11:30 p.m.) and 

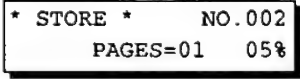

- 5**  (See Note 2)

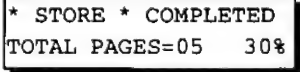

- 6** Dial by any combination of the following methods:

 - One-Touch Dialing
 - Abbreviated Dialing
 - Manual Number Dialing, press  after each station is entered (Up to 12 stations)
 - Directory Search Dialing, press  after each station is entered
(For details, see page 54 to 57.)

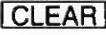

Ex: 


- 7**  to store documents into the memory.







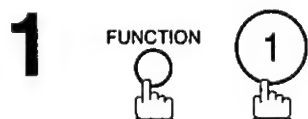
- Note:**
1. If you enter a wrong number in Step 4, press  then re-enter the right number.
 2. When you reserve a deferred transmission without storing document into memory, the following message will be shown on the display after pressing  in the last step.

DEF DIRECT XMT RSV'D
<01> (Station name)

3. To change or cancel the Deferred Communication settings, see page 88 and 90.

▶ Timer Controlled Communications

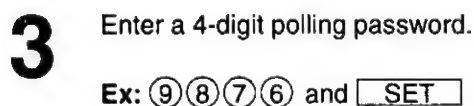
Deferred Polling



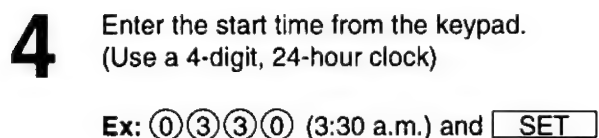
DEFERRED COMM. NO. =
1: XMT 2: POLLING



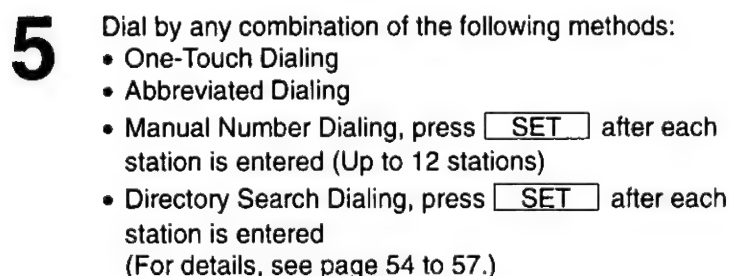
DEFERRED POLLING
PASSWORD=■■■■



DEFERRED POLLING
START TIME ■ :

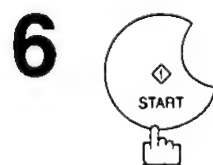


ENTER STATION(S)
THEN PRESS START



Ex:

<01> (Station name)
5551234



* STORE * NO.001

! **Note:** 1. If you enter a wrong number in Step 3, press , then re-enter the right number.
2. To change or cancel the Deferred Communication settings, see page 88 and 90.

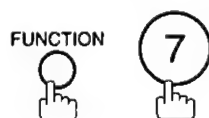
Polling means calling other station(s) to retrieve a document. The other station must know in advance that you will call and must have a document set on the ADF or stored in the memory. You may need to set a polling password, shared by the other station, to ensure security.

Setting the Polling Password

If the polling password does not match with the polled station, your polling request will be refused automatically.

To set the polling password, follow the steps below.

1



SET MODE (1-8)
ENTER NO. OR V A

2



FAX PARAMETER (01-99)
NO. =

3



26 POLLING PASSWORD
■■■■

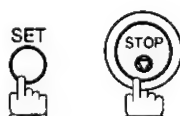
4

Enter a 4-digit polling password.

Ex: ①②③④

26 POLLING PASSWORD
1234

5



- Note:**
1. Polling might not function with all fax machines. We suggest you attempt a trial polling before you actually poll important documents.
 2. If a password is not set in the polled station, you may poll the other station even though your machine has a password.

Polling

Preparing to be Polled

In order to let other stations poll your machine, you must prepare your machine with a document stored in memory. Be sure to set the polling password before storing the document into memory. After being polled, the documents stored in the memory will be erased automatically.

1



Set document(s) face down.

ENTER STATION	00%
---------------	-----

2

FUNCTION



POLLING	NO. = 1
1: POLLING 2: POLLED	

3



POLLED	PASSWORD=1234
--------	---------------

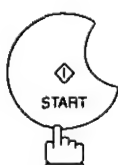
4

Enter a 4-digit polling password. (see Note 3)

Ex: ④③②①

POLLED	PASSWORD=4321
--------	---------------

5



The document(s) will be stored into memory.

* STORE *	NO. 015
PAGES=01	01%

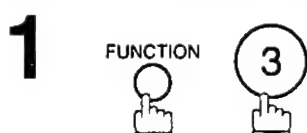
* STORE * COMPLETED	
TOTAL PAGES=05	24%



- Note:**
1. You can still send or receive documents even when set to be polled.
 2. Only 1 polled file can be stored in memory.
 3. If you have set the polling password in Fax Parameter No. 26, the password will appear on the display. You can still change the password temporarily by overwriting it with a new one.

To Poll Documents from Another Station

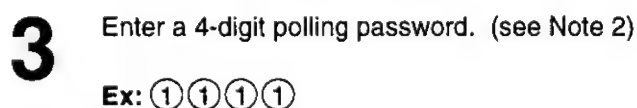
The following procedure lets you poll a document from one or multiple stations. Be sure to set the polling password before polling (see page 77).



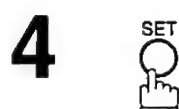
POLLING NO. = 1
1: POLLING 2: POLLED



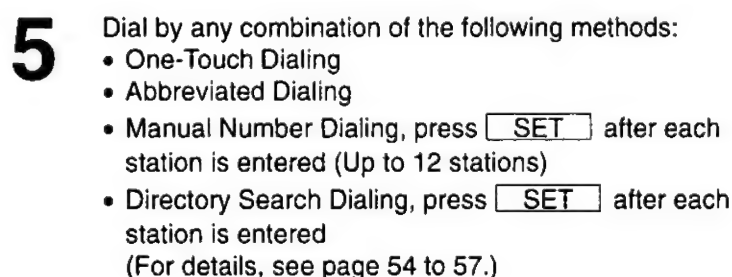
POLLING
PASSWORD=1234



POLLING
PASSWORD=1111

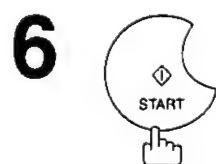


ENTER STATION(S)
THEN PRESS START



Ex: 01

<01> (Station name)
5551234



* STORE * NO.001

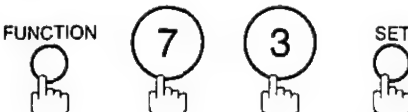


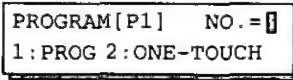

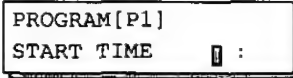


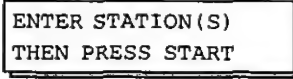

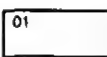
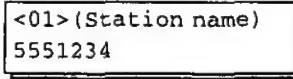
- !** **Note:** 1. You can review the entered stations in step 5 by pressing **▼** or **▲** key, press **CLEAR** to erase the displayed station as needed.
2. If you have set the polling password in Fax Parameter No. 26, the password will appear on the display. You can still change the password temporarily by overwriting it with a new one.





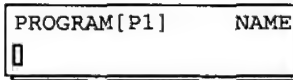



► Program Keys

Your fax machine has special Program Keys. These keys are useful if you frequently need to send or poll the same group of stations. You can use these keys to store a sequence of stations to be polled, a deferred transmission or polling sequence, an additional One-Touch key or a One-Touch group key.

Setting for Deferred Transmission

To set a Program Key for deferred transmission

- 1**  
- 2** Ex:  
- 3**  
- 4** Enter the starting time using 4 digits.
Ex:  (11:30 p.m.) and  
- 5** Enter the station numbers by using One-Touch Key, or  and a 2-digit code.
Ex:  

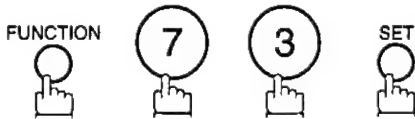
You may use the  or  keys to review the entered station(s) before going to next step. If you find an error, press  to erase the displayed station.
- 6**  
- 7** Enter the station name (up to 15 characters) by using the Character keys (see page 11 and 13).
Ex: PROG.A and  
You can now set other Program Keys by repeating the procedures from Step 2, or return to standby by pressing .

Program Keys ◀

Setting for Normal Polling

To set a Program Key for normal polling

1



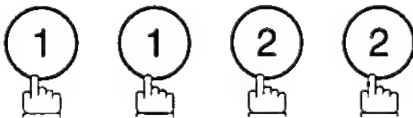
PROGRAM[P]
PRESS PROGRAM KEY

2

Ex: P1

PROGRAM[P1] NO.=
1:PROG 2:ONE-TOUCH

3



POLLING
PASSWORD=

4

Enter a 4-digit polling password.

Ex: 1111 and SET

ENTER STATION(S)
THEN PRESS START

The polling password appears if it has been previously set.

5

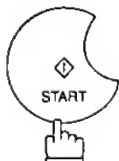
Enter the station numbers by using One-Touch Key, or ABBR and a 2-digit code.

Ex: 01

<01>(Station name)
5551234

You may use the or keys to review the entered station(s) before going to next step. If you find an error, press CLEAR to erase the displayed station.

6



PROGRAM[P1] NAME
|

7

Enter the station name (up to 15 characters) by using the Character keys (see page 11 and 13).

Ex: PROG.A and SET

You can now set other Program Keys by repeating the procedures from Step 2, or return to standby by pressing STOP.

PROGRAM[P]
PRESS PROGRAM KEY

5

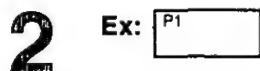
Program Keys

Setting for Deferred Polling

To set a Program Key for deferred polling



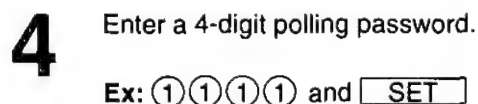
PROGRAM[P]
PRESS PROGRAM KEY



PROGRAM[P1] NO.=
1:PROG 2:ONE-TOUCH

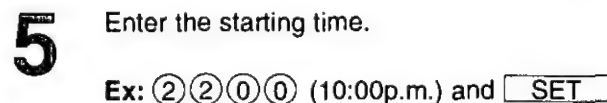


DEFERRED POLLING
PASSWORD=

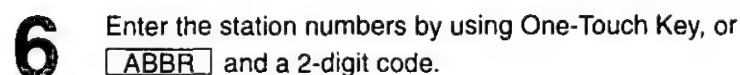


PROGRAM[P1]
START TIME :



The polling password appears if it has been previously set.

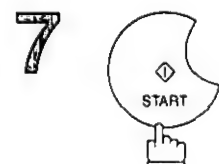


ENTER STATION(S)
THEN PRESS START

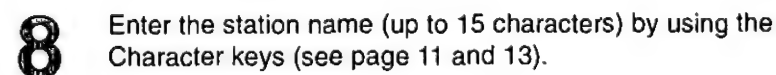


<01>(Station name)
5551234

You may use the  or  keys to review the entered station(s) before going to next step. If you find an error, press **CLEAR** to erase the displayed station.



PROGRAM[P1] NAME
:



PROGRAM[P]
PRESS PROGRAM KEY

You can now set other Program Keys by repeating the procedures from Step 2, or return to standby by pressing **STOP**.

Program Keys ◀

Setting for Group Dialing

To set a Program Key for Group Dialing

1

FUNCTION



PROGRAM[P]
PRESS PROGRAM KEY

2

Ex: P1

PROGRAM[P1] NO. =
1:PROG 2:ONE-TOUCH

3



ENTER STATION(S)
THEN PRESS START

4

Enter the station numbers by using One-Touch Key, or ABBR and 2-digit code.

Ex: 01

and

ABBR

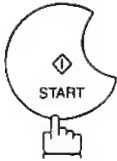


You may use the or keys to review the entered station(s) before going to next step. If you find an error, press CLEAR to erase the displayed station.

<01>(Station name)
5551234

[10](Station name)
5553456

5



PROGRAM[P1] NAME

6

Enter the station name (up to 15 characters) by using the Character keys (see page 11 and 13).

Ex: PROG.A and

 SET

You can now set other Program Keys by repeating the procedures from Step 2, or return to standby by pressing STOP.

PROGRAM[P]
PRESS PROGRAM KEY

Program Keys

Setting for One-Touch Key

To set a Program Key for One-Touch Key

1

FUNCTION



7



3



SET



PROGRAM[P]
PRESS PROGRAM KEY

2

Ex:

P1

PROGRAM[P1] NO. =
1: PROG 2: ONE-TOUCH

3

2



[P1]
ENTER TEL. NO.

4

Enter a telephone number (up to 36 digits including pauses and spaces).

Ex: 9 PAUSE 5 5 5 SPACE 1 2 3 4

[P1]
9-555 1234

5

SET



[P1] ENTER NAME
9-555 1234

6

Enter the station name (up to 15 characters) by using the Character keys (see page 11 and 13).

Ex: PROG.A and SET

PROGRAM[P]
PRESS PROGRAM KEY

You can now set other Program Keys by repeating the procedures from Step 2, or return to standby by pressing STOP.

Changing or Erasing the Program Key Settings

- To change the settings in a Program Key, follow the procedure on setting a Program Key on pages 80 to 84.
- Start time or station(s) for deferred transmission
 - Station(s) for normal polling
 - Start time or station(s) for deferred polling
 - Station(s) for group dialing
 - Telephone number and station name for One-Touch key

To erase the settings in a Program Key

1

FUNCTION



SET MODE (1-8)

ENTER NO. OR V Λ

2

3



SET



PROGRAM[P]

PRESS PROGRAM KEY

3

Press the Program key you want to erase.

Ex:

P1

PROGRAM[P1] NO.=1

1:PROG 2:ONE-TOUCH

4

CLEAR



PROGRAM[P1] NO.=

1:PROG 2:ONE-TOUCH

5

SET



PROGRAM[P]

PRESS PROGRAM KEY

You can now erase other Program Keys by repeating the procedures from Step 3, or return to standby by pressing

STOP

.

▶ Edit File Mode

Your machine has a document image memory which enables you to reserve memory transmission, memory deferred transmission, memory polling and so on.
After reserving the communications in memory, you may need to change the settings of the communications while it is still in memory. This section describes how to use the file editing features.

Printing a File List

The contents of the communication settings may have to be modified or deleted. To verify the contents, follow the steps below to print out a file list.

1

FUNCTION

9

EDIT FILE MODE (1-4)
ENTER NO. OR V ^

2

1

1:FILE LIST?
PRESS SET TO SELECT

3

SET

FILE LIST
1:PRINT 2:VIEW

4

1

* PRINTING *
FILE LIST

Sample File List

***** -FILE LIST- *****						DATE JAN-12-1997 ***** TIME 15:00 *** P.01					
(1)	(2)	(3)	(4)	(5)	(6)						
FILE	COMM.	TYPE	CREATED	TIME	START	PAGES	DESTINATION(S)				
No.											
001	DEFERRED	XMT	JAN-12	13:20	20:30		[01]				
002	MEM.DEF.	XMT	JAN-12	13:20	22:30	003	[11]	[12]	[13]	[16]	[17]
						-PANASONIC					
***** -HEAD OFFICE						- ***** - 201 555 1212- *****					

Explanation of Contents

- (1) File number

:If the file is now being executed, a "*" is indicated on the left of the file number.
- (2) Communication type
- (3) Stored date/time

:Date/time that these files were stored.
- (4) Executing time

:If the file is a Timer Controlled Communication, the start time is printed in this column.
- (5) Number of stored page(s)
- (6) Destination

:ABBR. No./One-Touch No./Manual Dialing No.

Viewing the Contents of a File List

You can also verify the contents of a file list by showing it on the display without printing a file list, follow the steps below.

- 1

FUNCTION

9

EDIT FILE MODE (1-4)
ENTER NO. OR v ^
- 2

1

1:FILE LIST?
PRESS SET TO SELECT
- 3

SET

FILE LIST
1:PRINT 2:VIEW
- 4

2

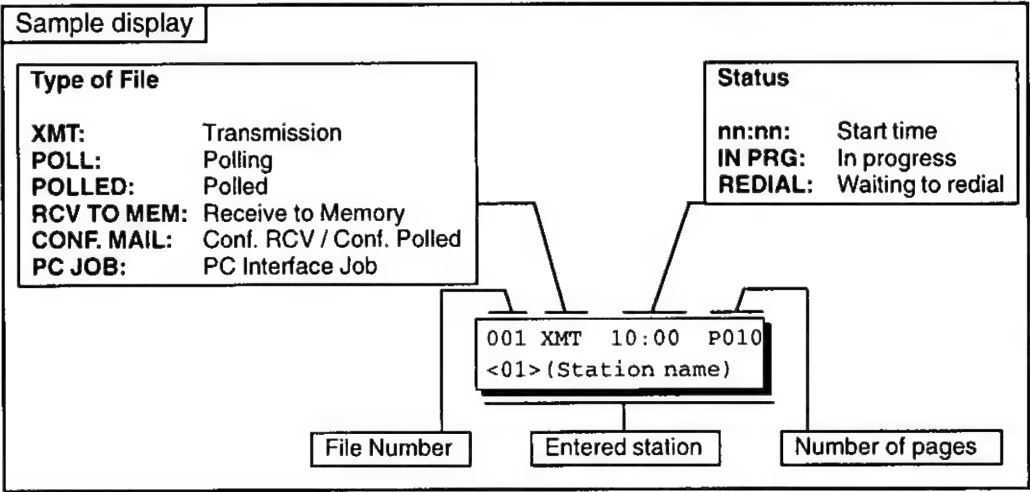
USE THE v ^ KEYS TO
SCROLL EACH FILE
- 5

v

 or

^

repeatedly until the display shows a file you want to edit.



- 6
- STOP

▶ Edit File Mode

Changing the Start Time or the Station of a File

To change the start time and/or stations in a communication file, follow the steps below.

1

FUNCTION



EDIT FILE MODE (1-4)

ENTER NO. OR v ^

2

2





SET






ENTER FILE NO. OR v ^

FILE NO. = 

3

Enter the file number or use  or  to select the file that you want to change.

Ex: 

ENTER FILE NO. OR v ^

FILE NO. = 001

4

SET







(See Note 2)

DEFERRED XMT

START TIME 22:30

5

Enter a new start time.

Ex:  (6:00 AM)

(If you do not have to change the time, skip to step 6.)

DEFERRED XMT

START TIME 06:00

6

SET



TEL. NO.

5551234

7 To delete the station(s), press ☐V or ☐^ key until the station you want to delete appears. Then press .

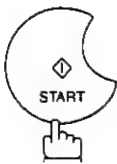
or

Enter the station(s) you want to add.

Ex: ☐SET

ENTER STATION(S)
THEN PRESS START

1 STN(S) ARE SET
ADD MORE OR START

8 

5



Note: 1. Your machine cannot change the start time and/or stations in the file while it is being sent or waiting to redial.
2. If the file is not a Deferred Communication File, the following message is shown on the display.

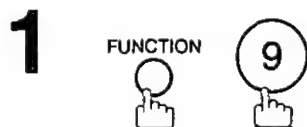
SET DEFERRED COMM. ?
1: YES 2: NO

Press ① to change the type of the file for deferred communication file.

▶ Edit File Mode

Deleting a File

To delete the file in memory, follow the steps below.



EDIT FILE MODE (1-4)
ENTER NO. OR v ^

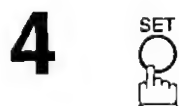


ENTER FILE NO. OR v ^
FILE NO. = 000

3 Enter the file number or use ☐ v or ☐ ^ to select the file that you want to delete.

Ex: 001 (see Note 2)

ENTER FILE NO. OR v ^
FILE NO. = 001



DELETE FILE NO. 001?
1: YES 2: NO



Enter the next file number you want to delete or press to return to standby.

* DELETING *
FILE NO. = 001

ENTER FILE NO. OR v ^
FILE NO. = 000



Note: 1. Your machine cannot delete the file while it is being sent.

2. Enter *** as the file number and press to delete all files (except the file in progress). The following message is shown on the display.

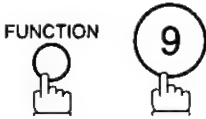
DELETE ALL FILES?
1: YES 2: NO

Press 1 to delete all files.

Printing Out a File

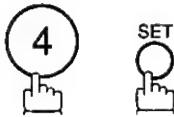
To print the contents of the communication file, follow the steps bellow.

1



EDIT FILE MODE (1-4)
ENTER NO. OR v ^

2



ENTER FILE NO. OR v ^
FILE NO. = ■■■

3

Enter the file number or use ☐ v or ☐ ^ to select the file that you want to print.

Ex: 0 0 1

ENTER FILE NO. OR v ^
FILE NO. = 001

4



Your machine will print the file. The document(s) will remain in memory even after printing the file.

* PRINTING *
PAGE=001/003



Note: Your machine cannot print the file while it is being sent.

The Fax Access Code prevents an unauthorized user from operating the machine. Once a 4-digit Fax Access Code is registered, no one can operate the machine without entering the correct access code. Automatic Receiving, however, is always available. After you complete any operation, such as mode setting or transmission, and the display returns to standby, you have to re-enter the access code in order to use the machine again. Registering the Fax Access Code does not affect the use of the machine in any other way.

Setting the Fax Access Code

1

FUNCTION

7

SET MODE (1-8)

ENTER NO. OR V ^

2

4

SET

FAX PARAMETER (01-99)

NO. =

3

3

8

SET

38 FAX ACCESS CODE

4

Enter a 4-digit Fax Access Code.

Ex: ①②③④


38 FAX ACCESS CODE

1234

5

SET

STOP

 **Note:** To erase the Fax Access Code, enter the Access Code and press **SET** and follow the procedure above to step 3, then press **CLEAR** **SET** and **STOP**.

Operating Your Machine with the Fax Access Code

1

Enter the Fax Access Code.

Ex: ①②③④

JAN-12-1997 15:00

ACCESS CODE=

2

SET

Now you can operate the machine using normal procedures.

JAN-12-1997 15:00

ACCESS CODE=

JAN-12-1997 15:00

00%

PIN Code Access ◀

If your PBX requires a PIN (Personal Identification Number) code to get an outside line, your machine can be set to prompt the user to enter a PIN code before any dialing.

Selecting the Access Method (Prefix or Suffix)

1

FUNCTION

7

SET MODE (1-8)

ENTER NO. OR V A

2

4

SET

FAX PARAMETER (01-99)

NO. = ■

3

3

9

SET

39 PIN CODE ACCESS

1:NONE

4

2

for suffix code.

or

3

for prefix code.

39 PIN CODE ACCESS

2:SUFFIX

39 PIN CODE ACCESS

3:PREFIX

5

SET

STOP

PIN Code Access

Dialing with a PIN Code

1



Set document(s) face down.

ENTER STATION 00%

2

Enter a telephone number.

Ex: (5)(5)(5)(1)(2)(3)(4)

PRESS START TO DIAL
5551234

3



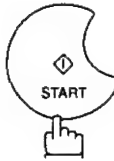
ENTER PIN CODE
█

4

Ex: (9)(8)(7)(6) (up to 36 digits)

ENTER PIN CODE
9876

5



Your machine starts dialing the PIN code and telephone number as you specified.

* DIALING *
■■■■5551234


















Note: 1. The PIN code is shown as "█" on the display when dialing the number.

2. This feature is not available when dialing a number by using Off-Hook or On-Hook Direct Dialing mode.









Receive To Memory ◀

This feature is used to secure all received documents by storing them into the memory. To print out the document from memory, the authorized operator must enter the correct password.

Setting the RCV To Memory Password

1	FUNCTION 		SET MODE (1-8) ENTER NO. OR V Λ
2		SET 	FAX PARAMETER (01-99) NO. = 
3	 	SET 	37 RCV TO MEMORY 
4	Enter a 4-digit RCV to Memory Password. Ex:    		37 RCV TO MEMORY 1234
5	SET 		

Setting RCV To Memory

1	FUNCTION 		SELECT MODE (1-5) ENTER NO. OR V Λ
2		SET 	RCV TO MEMORY=OFF 1:OFF 2:ON 3:PRINT
3			RCV TO MEMORY=ON 1:OFF 2:ON 3:PRINT
4	SET 		JAN-12-1997 15:00 < RCV TO MEMORY >



- Note:**
1. When the memory overflows, the machine will stop receiving and release the line. The machine will not answer the next incoming call until there is space available in the memory.
 2. We recommend that optional memory be installed when this feature is used. See page 157 for Image Memory Capacity.

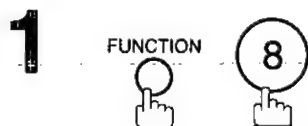
► Receive To Memory

Printing Out Documents

After receiving a document with the Receive To Memory feature, the following message will appear on the display.

MESSAGE IN MEMORY
< RCV TO MEMORY >

To print the document, follow the steps below.



SELECT MODE (1-5)
ENTER NO. OR V A



RCV TO MEMORY=ON
1:OFF 2:ON 3:PRINT



RCV TO MEMORY=PRINT
1:OFF 2:ON 3:PRINT



INPUT PASSWORD
0000

5 Enter the password to print the documents.
(see Note 1)

Ex: ①②③④

INPUT PASSWORD
1234



Machine will start to print the documents.

* PRINTING *
MEMORY RCV'D DOC



Note: 1. If the password has not been set, your machine will not prompt you to enter the password.

The documents will be printed immediately after pressing **SET** in step 4.

2. Once you set RCV TO MEMORY feature to On, the password cannot be changed (Fax Parameter No. 37 will not be shown on the LCD display). If you wish to change the password, set RCV TO MEMORY feature to Off first. Then change the password (see page 95).

Distinctive Ring Detector (DRD) ◀

Your machine has a special feature in conjunction with an optional service provided by many local telephone companies. It can distinguish up to 4 telephone numbers with a corresponding ring pattern identifying each number. "DRD" lets you provide multiple phone numbers, one for your fax, business or personal use with only one single phone line.

Please check with your local telephone company on the availability of this service in your area.

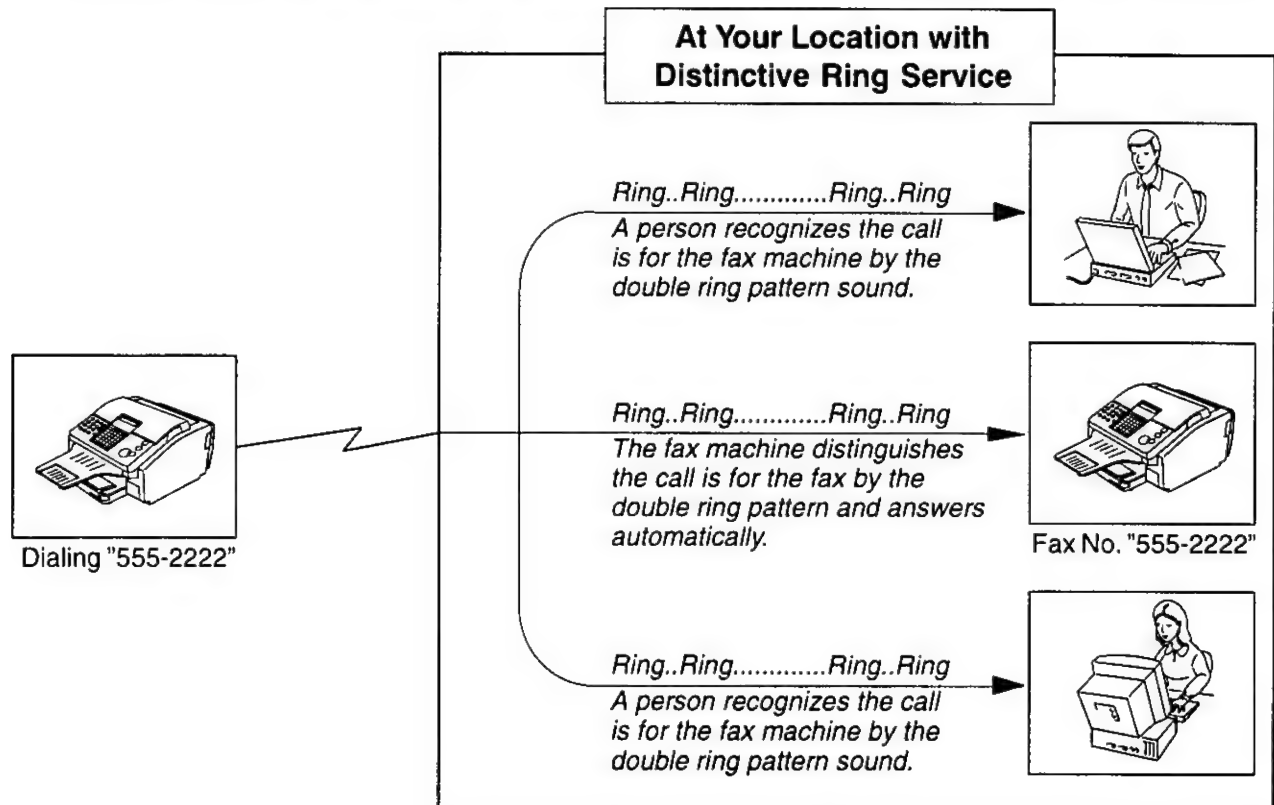
Your machine can be programmed to respond to only 1 of the 4 distinctive ring patterns. To select the corresponding ring pattern for your fax number, refer to the Fax Parameter Table on page 39.

The following table shows a typical example with 4 telephone numbers on a single phone line.

Telephone No.	Usage	Distinctive Ring Sound	Ring Pattern
555-1111	Business	<i>Riiing.....Riiing.....</i>	Type A, Standard Ring
555-2222	Fax	<i>Ring...Ring.....Ring...Ring.....</i>	Type B, Double Ring
555-3333	Personal	<i>Ring...Ring...Riiing.....Ring...Ring...Riiing.....</i>	Type C, Triple Ring (Short-Short-Long)
555-4444	Teenager	<i>Ring...Riiing...Ring.....Ring...Riiing...Ring.....</i>	Type D, Triple Ring (All other than type C)

! **Note:** "Riiing" means a long ringing sound and "Ring" means a short ringing sound.

The following illustration shows a typical set up, with your machine set to detect Type B (double ring) ring pattern.



This page is intentionally left blank.

Selective Reception

Your machine has a special feature, Selective Reception, which can prevent the receiving of unnecessary documents (i.e. junk fax, direct mail, etc.).

Before receiving the document, the last 4 digits of the ID Number received from the sending machine will be compared with the last 4 digits of the telephone number programmed in each One-Touch or Abbreviated station. When a match is found, your machine will start receiving the document. If a match is not found, your machine will cancel the reception and an Information Code 406 will be recorded on the Journal.

Setting the Selective Reception

1

FUNCTION



SET MODE (1-8)
ENTER NO. OR V A

2



FAX PARAMETER (01-99)
NO. =

3



46 SELECT RCV
1: INVALID

4



46 SELECT RCV
2: VALID

5



- Note:**
1. When the Selective Reception is set, your machine can receive only from those stations which are programmed in the built-in auto-dialer.
 2. If your ID number has not been set, your machine might not be able to receive from some models. To set your ID number, see page 30.

Confidential Mailbox and Confidential Network Communications

Your machine is equipped with two Confidential Communication features which ensure that the Confidential information you send is received by only the person with the correct confidential code.

Confidential Mailbox

The confidential mailbox feature can be used as a mailbox to communicate with other compatible models using a 4-digit confidential code. The Confidential Mailbox feature receives document(s) with a confidential code into memory. These documents can only be printed by the person who has the correct confidential code.

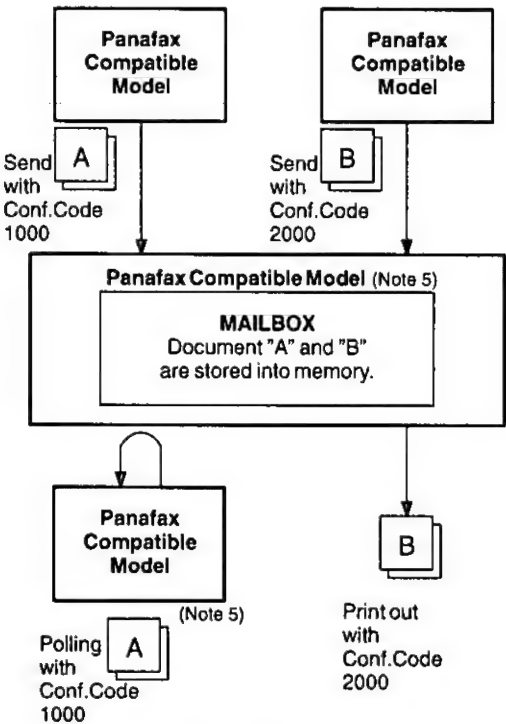


Figure 1: Confidential Mailbox

Compatibility with Other Machines

Table 1 shows a list of compatible Panafax models which have the Confidential Mailbox feature. It also shows whether or not special settings are required.

Table 1: Confidential Mailbox Requirement

Compatible Model					Special Settings
UF-280M	UF-342	UF-733	UF-755	UF-770	Not Required.
UF-312	UF-344	UF-744	UF-755e	UF-788	
UF-322	UF-550	UF-745	UF-766	UF-880	



- Note:**
1. If your machine receives two confidential faxes with same confidential code, both documents are stored together in the same confidential mailbox.
 2. Up to 7 Mailbox files can be stored in memory. So, you can receive the confidential fax using 7 different confidential codes.
 3. If the memory overflows, the machine will stop receiving and release the line.
 4. We recommend that optional memory be installed when this function is used. See page 157 on Image Memory Capacity.
 5. If confidential faxes were received in the mailbox of UF-733, you cannot poll those documents. The UF-733 is designed to print out the received confidential document locally only.

Confidential Mailbox and Confidential Network Communications

Sending a Confidential Document to a Remote Station's Mailbox

1



Set document(s) face down.

ENTER STATION
00%

2

FUNCTION



CONF. COMM. (1-5)
ENTER NO. OR V A

3



CONFIDENTIAL XMT
CONF. CODE=■■■■

4

Enter a 4-digit Confidential Code.

Ex: ②②③③

CONFIDENTIAL XMT
CONF. CODE=2233

5



ENTER STATION
THEN PRESS START

6

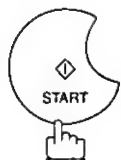
Dial by any one of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Manual Number Dialing
- Directory Search Dialing

Ex: 01

<01> (Station name)
5551234

7



If necessary, inform the receiving person and tell them the Confidential Code.



Note: If the receiving station has a Network Password, you must set the same password, shared by the receiving station, to send confidential fax. (see page 109 and 110)

► Confidential Mailbox and Confidential Network Communications

Polling a Confidential Document from a Remote Station's Mailbox

After you have been informed that someone has transmitted a confidential document to a remote station's mailbox, you can poll the confidential document from the remote station by following the procedure below.

1

FUNCTION



CONF. COMM. (1-5)
ENTER NO. OR V A

2



SET



CONFIDENTIAL POLL
CONF. CODE=0000

3

Enter a 4-digit Confidential Code.

Ex: ②②③③

CONFIDENTIAL POLL
CONF. CODE=2233

4

SET



ENTER STATION
THEN PRESS START

5

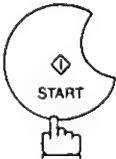
Dial by any one of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Manual Number Dialing
- Directory Search Dialing

Ex:

<01> (Station name)
5551234

6



 **Note:** The confidential file will be erased automatically at the center station after being polled.

Confidential Mailbox and Confidential Network Communications

Receiving a Confidential Document to Your Machine's Mailbox

No special setting is required, your machine comes with this feature ready to use. Your machine receives a confidential fax the same way it receives a normal fax message. When receiving the confidential fax, the display shows the following message and prints out CONF. RCV REPORT.

MESSAGE IN MAIL BOX

Sample CONF. RCV Report

***** -CONF.RCV REPORT- *****				DATE JAN-12-1997	*****	TIME 15:00	*****P.01
** NOTICE OF CONFIDENTIAL DOCUMENT HELD **							
(1)	(2)	(3)	(4)				
FILE NO.	RECEIVED FROM	PAGES	TIME RECEIVED				
040	PANAFAX	001	JAN-12 15:00				
				-PANASONIC	-		
***** -HEAD OFFICE				-**** -	201 555 1212-	*****	

Explanation of Contents

- (1) File number : 001 to 255
- (2) Received remote station's ID : Character ID or Numeric ID
- (3) Number of pages received
- (4) Received date and time




- Note:**
- If your machine receives two confidential faxes with same confidential code, both documents are stored together in the same confidential mailbox.
 - Up to 7 Mailbox files can be stored in memory. So, you can receive the confidential fax using 7 different confidential codes.
 - If the memory overflows, the machine will stop receiving and release the line.
 - You can verify whether the unit has received a confidential fax by printing out the File List (see page 86).

▶ Confidential Mailbox and Confidential Network Communications

Storing a Confidential Document in Your Machine's Mailbox

Use the following procedure to store a document in a confidential mailbox in your machine. Once the confidential document is stored in your machine, it can be polled by the other machine.

1



Set document(s) face down.

ENTER STATION
00%

2


FUNCTION




CONF. COMM. (1-5)
ENTER NO. OR V A

3



SET



CONFIDENTIAL POLLED
CONF. CODE=■■■■

4

Enter a 4-digit Confidential Code.
Ex: ②②③③

CONFIDENTIAL POLLED
CONF. CODE=2233

5

SET


The document(s) will be stored into memory.
If necessary, inform the receiving party of the confidential document and tell them the confidential code needed to poll the document.

* STORE * NO.002
PAGES=01 01%

Note: The confidential file will be erased automatically after being polled.
If you wish to retain the confidential file even after being polled, change the setting of Fax Parameter No. 42 (CONF. POLLED FILE SAVE) to "Valid".

Confidential Mailbox and Confidential Network Communications

Printing Out a Confidential Document from Your Machine's Mailbox

After you have been notified that someone has transmitted a confidential document to your machine's mailbox, use the following procedure to print out the confidential document.

1

FUNCTION

5

CONF. COMM. (1-5)

ENTER NO. OR V ^

2

4

SET

PRINT CONF. FILE

CONF.CODE=■■■■

3

Enter the Confidential Code of the document you want to print out.

Ex: ②②③③

PRINT CONF. FILE

CONF.CODE=2233

4

SET

* PRINTING *

PAGE=001/001

The machine will print out the confidential documents.

Note: The confidential file will be erased automatically after being printed out even if the setting of Fax Parameter No. 42 (CONF. POLLED FILE SAVE) is changed to "Valid".

► Confidential Mailbox and Confidential Network Communications

Deleting a Confidential Document Stored in Your Machine's Mailbox

If your memory becomes full, or you just want to clean out your confidential documents, you may delete one or more confidential faxes stored in your machine by using the following procedure. There are two types of confidential file deletions, one is to delete the file individually by its Confidential Code, and the other is to delete all confidential files in memory.

To delete a file using Confidential Code

1

FUNCTION

5

2

5

SET

3

Enter a 4-digit Confidential Code.
Ex: ②②③③

4

SET

CONF. COMM. (1-5)
ENTER NO. OR V A

DELETE CONF. FILE
CONF.CODE=■■■■

DELETE CONF. FILE
CONF.CODE=2233

* DELETING *
CONF.CODE=2233

To delete all confidential files in memory

1

FUNCTION

5

2

5

SET

3

SET

4

1

CONF. COMM. (1-5)
ENTER NO. OR V A

DELETE CONF. FILE
CONF.CODE=■■■■

DELETE ALL CONF.
FILES? 1:YES 2:NO

* DELETING *
ALL CONF. FILES

Confidential Network Communications (Via a Center Station)

The Confidential Network Communication requires a Center Station such as a UF-650 to communicate with other Panafax models which have confidential communication features. First the Initial Sending Station sends a confidential document to the Center Station together with a Confidential Code. The document will remain in the center station's memory until polled by the End Receiving Station. In the example given in figure 2, the End Receiving Station must know the Confidential code attached to the document.

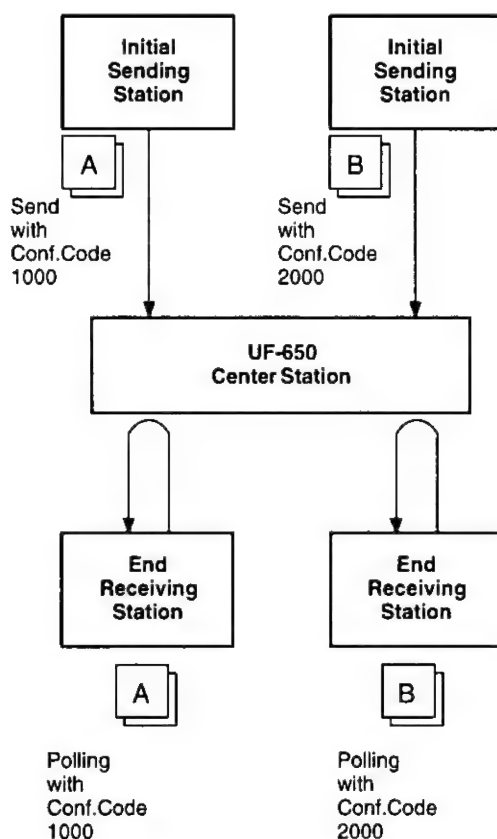


Figure 2: Sending Confidential Faxes via a Center Station

If a UF-650 or UF-620 is the Center Station, more than one document can be stored in the same memory file using the same Confidential Code. That is, you can keep adding faxes to the file, just like putting mail in a mailbox, until the memory is full. If a UF-640 is the Center Station, you cannot add a fax to the file which has the same Confidential Code attached with a file already stored in the memory. Whichever station you use, you can create more than one file, each with a different Confidential Code.

The stored confidential document will be available to be polled by the end receiving station.

Once you have polled or printed the confidential document from the Center Station, the document is automatically erased from the Center Station's memory.

Confidential Mailbox and Confidential Network Communications

Compatibility with Other Machines

Table 1 shows how your machine fits in with the compatibility requirements of the different kinds of facsimile stations which make up a Network for Confidential Communications. It also shows whether or not special settings are required.

Table 1: Confidential Communication Requirement

Station	Compatible Model	Special Settings
Initial Sending Station	Panafax 145, Panafax 155, UF-140, UF-150, UF-160, UF-160M, UF-170, PD-170E, UF-250, UF-260, UF-270, UF-270M, UF-280M, UF-300, UF-312, UF-322, UF-342, UF-344, UF-550, UF-620, UF-640, UF-650, UF-733, UF-744, UF-745, UF-750, UF-750D, UF-755, UF-755e, UF-766, UF-770, UF-788, UF-880	Required. Please refer to the individual User's Guides of each machine.
Confidential Center Station	UF-620, UF-640, UF-650	
End Receiving Station	Panafax 145, Panafax 155, UF-140, UF-150, UF-160, UF-160M, UF-170, PD-170E, UF-250, UF-260, UF-270, UF-270M, UF-280M, UF-300, UF-312, UF-322, UF-342, UF-344, UF-550, UF-620, UF-640, UF-650, UF-733, UF-744, UF-745, UF-750, UF-750D, UF-755, UF-755e, UF-766, UF-770, UF-788, UF-880	

Setting Up Your Machine for Confidential Network Communications

To use Confidential Communications, you must first preset the Confidential Communication Fax Parameter described below. Then, every time you actually send a Confidential Fax you must set a Confidential Code.

1. Confidential Communication Fax Parameter

This switches the Confidential Communications function to Valid or Invalid.

2. Own Telephone Number

The full telephone number should be entered.

3. Network Password and Polling Password

You may use Network Password and Polling Password to prevent outside facsimile(s) from using the Confidential Communication network. The same password must be provided to all the machines inside the network.

4. Confidential Code

A 4-digit code must be assigned to each Confidential Fax you send. It identifies the fax when it is stored in the Relay Station. The receiving person must know the code in order to poll the fax from the Relay Station.

Confidential Mailbox and Confidential Network Communications

To set the Fax Parameter for Confidential Network Communication

- 1

FUNCTION

7

SET MODE (1-8)

ENTER NO. OR V ^
- 2

4

SET

FAX PARAMETER (01-99)

NO. =
- 3

4

1

SET

41 CONF. FAX PARA.

1:INVALID
- 4

2

41 CONF. FAX PARA.

2:VALID
- 5

SET

STOP

Confidential Mailbox and Confidential Network Communications

To set your own Telephone Number and Network Password

1

FUNCTION



SET MODE (1-8)
ENTER NO. OR V A

2



OWN TELEPHONE NO.



3

Enter your telephone number (max. 36 digits).

Ex: ① SPACE ② ① ② SPACE
① ① ① SPACE ① ② ③ ④

OWN TELEPHONE NO.
1 212 111 1234

4



NETWORK PASSWORD



5

Enter a 4-digit Network Password.

Ex: ⑨ ⑨ ⑨ ⑨

NETWORK PASSWORD

9999

6



OWN TELEPHONE NO.

1 212 111 1234

7



Relayed Transmission ◀

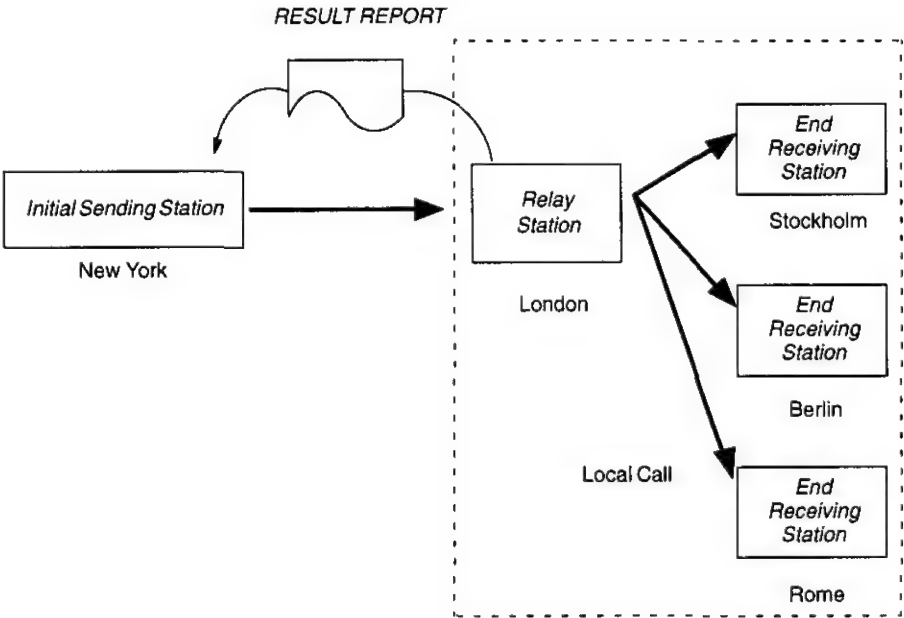
General Description

Relayed Transmission is a feature which can save you time and transmission costs if you need to send the same document to several facsimile stations at the same time. This is especially true if the transmissions are long distance.

To use Relayed Transmission, you must be part of a "Relay Network" built around a "Relay Station". That is, when you send a document by Relayed Transmission, you actually send it to a Relay Station together with instructions to relay it to one or more end receiving station(s).

The Relay Station first receives the document in its memory and then relays it to the end receiving station(s).

Example:



Compatibility with Other Machines

Table 1 shows the kind of facsimile machines which can make up a Relay Network used for Relayed Transmission. Note that your machine can serve as an Initial Sending Station or End Receiving Station.

Table 1: Relay Network Compatibility Requirements

Station	Compatible Model				Special Settings
Initial Sending Station	UF-150	UF-312	UF-745		Required. Please refer to the individual User's Guides of each machine.
	UF-160	UF-322	UF-750		
	UF-160M	UF-342	UF-750D		
	UF-170	UF-344	UF-755		
	UF-250	UF-550	UF-755e		
	UF-260	UF-620	UF-766		
	UF-270	UF-640	UF-770		
	UF-270M	UF-650	UF-788		
	UF-280M	UF-733	UF-880		
	UF-300	UF-744			
Relay Station	UF-620	UF-650	UF-640	UF-M500	
End Receiving Station	ITU-T/CCITT G3 Compatible machines				Not required.

► Relayed Transmission

Relay Network

A Relay Network is basically a group of facsimiles programmed to communicate with each other via a Relay Station. In this case, the word programmed means that certain numbers have been stored in the memory of each machine. These numbers, also called parameters, are needed to identify the machines in the network.

Since your machine can only serve as an Initial Sending Station or End Receiving Station in a Relay Network, it is assumed that you will not have to establish the network yourself. All you have to do is follow the set up procedure described here, and certain instructions provided by the network organizer (usually the person controlling the Relay Station). You should know, however, what kind of network you are going to connect to, and how it works. A sample network is shown in figure 1.

Figure 1 shows a sample network as seen from New York. London and Singapore are Relay Stations connected to New York. Viewed from New York, Stockholm, Berlin, Rome, Tokyo, Hong Kong, Wellington and Sydney are End Receiving Stations.

With this simple network using two Relay Stations, you can send a document with one operation to any combination of stations in the network via the London Relay Station and/or Singapore Relay Station. If New York only transmits to one station, for example, then the document will go directly to the station or indirectly via the Relay Station depending on the One Station XMT Parameter you preset.

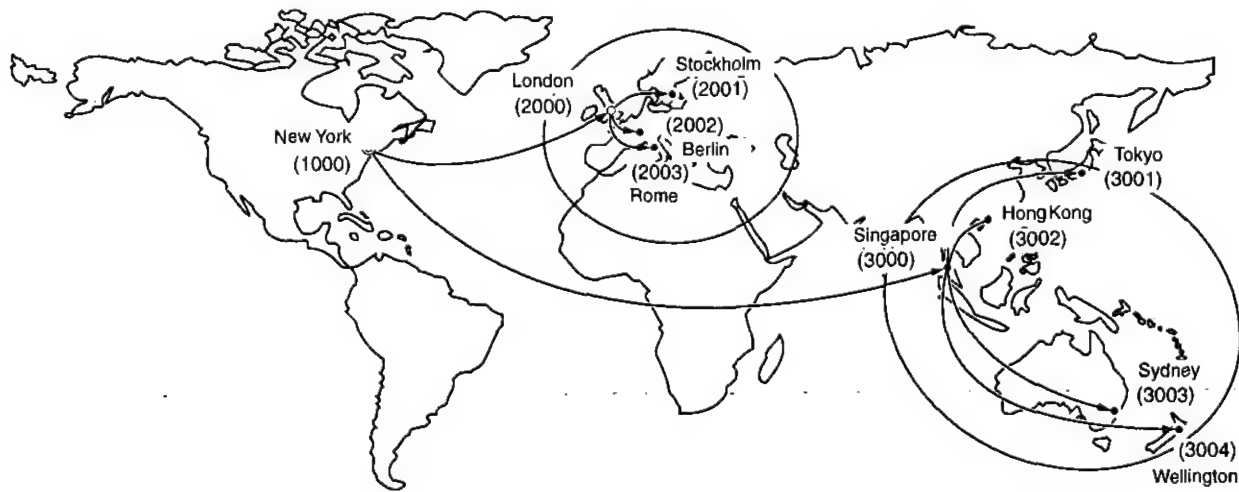


Figure 1: Sample Network

Relayed Transmission ◀

Table 2, 3 and 4 are sample settings for a Sample Network.

Table 2: Sample Parameter and Abbreviated Dialing Number Table for New York

Telephone Number : 212 111 1234
 Network Address : 1000
 Relay Address : 10

One-Touch/ ABBR No.	Station Name	Telephone Number	Relay Address	Relay Station Yes/No	Network Address	One Station XMT
01	London	44 71 111 1234	20	Yes	2000	Direct
02	Stockholm	46 8 111 1234	20	No	2001	Direct
03	Berlin	49 611 111 1234	20	No	2002	Direct
04	Rome	39 6 111 1234	20	No	2003	Direct
05	Singapore	65 111 1234	30	Yes	3000	Direct
06	Tokyo	81 33 111 1234	30	No	3001	Direct
07	Hong Kong	852 4 111 1234	30	No	3002	Direct
08	Sydney	61 2 111 1234	30	No	3003	Direct
09	Wellington	64 4 111 1234	30	No	3004	Direct

Table 3: Sample Parameter and Abbreviated Dialing Number Table for London

Telephone Number : 71 111 1234
 Network Address : 2000
 Relay Address : 20

One-Touch/ ABBR No.	Station Name	Telephone Number	Relay Address	Relay Station Yes/No	Network Address	One Station XMT
01	Stockholm	46 8 111 1234	20	No	2001	Direct
02	Berlin	49 611 111 1234	20	No	2002	Direct
03	Rome	39 6 111 1234	20	No	2003	Direct
04	New York	1 212 111 1234	10	No	1000	Direct
05	Singapore	65 111 1234	30	Yes	3000	Direct
06	Tokyo	81 33 111 1234	30	No	3001	Direct
07	Hong Kong	852 4 111 1234	30	No	3002	Direct
08	Sydney	61 2 111 1234	30	No	3003	Direct
09	Wellington	64 4 111 1234	30	No	3004	Direct

Table 4: Sample Parameter and Abbreviated Dialing Number Table for Singapore

Telephone Number : 65 111 1234
 Network Address : 3000
 Relay Address : 30

One-Touch/ ABBR No.	Station Name	Telephone Number	Relay Address	Relay Station Yes/No	Network Address	One Station XMT
01	New York	1 212 111 1234	10	No	1000	Direct
02	London	44 71 111 1234	20	Yes	2000	Direct
03	Stockholm	46 8 111 1234	20	No	2001	Direct
04	Berlin	49 611 111 1234	20	No	2002	Direct
05	Rome	39 6 111 1234	20	No	2003	Direct
06	Tokyo	81 33 111 1234	30	No	3001	Direct
07	Hong Kong	852 4 111 1234	30	No	3002	Direct
08	Sydney	61 2 111 1234	30	No	3003	Direct
09	Wellington	64 4 111 1234	30	No	3004	Direct

Relayed Transmission

Setting Up Your Machine for Relayed Transmission

To set up your machine for Relayed Transmission, use the procedures on the following pages to set the parameters listed below. Some parameters (e.g., Relayed XMT FAX Parameter) are only set once, but others must be set separately for each station in the Relay Network.

1. Relayed XMT Request FAX Parameter

This switches the Relayed XMT Request function to Valid or Invalid.

2. Own Telephone Number

The full telephone number to which the machine is connected should be entered in order for the Relay Station to send back a Result Report.

3. Own Network Address

A 4-digit Own Network Address should be entered in order for the Relay Station to send back a Result Report.

4. Network Password

A 4-digit number which prevents unauthorized (outside) stations from accessing the Relay Station and using its memory. Every Relay requesting stations and Relay stations in the network should have the same Network Password.

5. One-Touch/ABBR Numbers

The One-Touch or ABBR number you set must represent the fax number of a particular station in the network as seen from your station.

1) Network Address

End Receiving Station telephone numbers set in the Initial Sending Station may be different from the numbers set in a Relay Station. To send a fax to an End Receiving Station via a Relay Station each station in the network must be identified with a certain code which does not vary depending on where you call from. The code is the Network Address, which consists of a 4-digit number and is assigned to a One-Touch/ABBR number.

2) Relay Address

A 2-digit number which identifies the Relay Station your machine will use. Your machine may be connected to more than one Relay Station in parallel, but when you use Relayed XMT Request your machine will only send documents to the Relay Station identified by the Relay Address.

3) Relay Station Parameter (Yes/No)

Set "Yes" if the particular station you are recording is a Relay Station. If you are connected to more than one Relay Station in series, set "Yes" only for the first Relay Station.



4) One Station XMT (Relay/Direct) Parameter

If you send a document to only one End Receiving Station, you can set your machine to transmit directly to that station, without going through the Relay Station, by selecting "No". Set "Yes" if you always want to go through the Relay Station.

Relayed Transmission ◀



To set the Relayed XMT FAX Parameters;

- 1** FUNCTION 7




SET MODE (1-8)
 ENTER NO. OR V ^

- 2** 4 SET


FAX PARAMETER (01-99)
 NO. =

- 3** 4 0 SET



40 RELAY XMT REQUEST
 1: INVALID

- 4** 2





40 RELAY XMT REQUEST
 2: VALID

- 5** SET STOP



To set your own Telephone Number, own Network Address and Network Password;

- 1** FUNCTION 7

SET MODE (1-8)
 ENTER NO. OR V ^

- 2** 5 SET

OWN TELEPHONE NO.
 |

- 3** Enter your telephone number (max. 36 digits).
 Ex: ① SPACE ② ① ② SPACE
 ① ① ① SPACE ① ② ③ ④
 and press SET

OWN NETWORK ADDRESS
 ||||

Continued on the next page.

▶ Relayed Transmission

4 Enter your 4-digit Network Address.

Ex: ①①①① and press

NETWORK PASSWORD

■■■■

5 Enter your 4-digit Network Password.

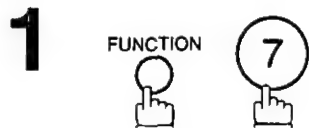
Ex: ⑨⑨⑨⑨ and press

OWN TELEPHONE NO.

1 212 111 1234

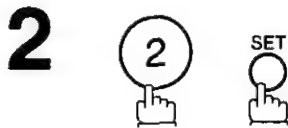


To set a One-Touch/ABBR. Dialing Number, Network Address, Relay Station Parameter (Yes/No) and One Station XMT (Relay/Direct) Parameter;



SET MODE (1-8)

ENTER NO. OR V ^



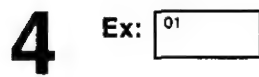
1:ONE-TOUCH

2:ABBR. NO.



ONE-TOUCH< >

PRESS ONE-TCH OR V ^



<01>

ENTER TEL. NO.

Continued on the next page.

5 Enter the telephone number.

Ex: ⑨ PAUSE ⑤ ⑤ ⑤ SPACE
① ② ③ ④ and press SET

<01> ENTER NAME
9-555 1234

6 Enter the station name.

Ex: S A L E S SPACE D E P T
and press SET

<01> NETWORK ADDRESS
||||

7 Enter a 4-digit Network Address.

Ex: ② ② ② ② and press SET

<01> RELAY ADDRESS
||

8 Enter a 2-digit Relay Address.

Ex: ② ② and press SET

<01> RELAY STN? 2
1: YES 2: NO

9 If the recorded station is the Relay Station, press ①.
If not, press ②

Ex: ①

<01> 1-STN RELAY? 2
1: RELAY 2: DIRECT

10 In case the station you have just recorded will be used for one-station transmission, you can preset the transmission route.

- 1: For transmission via the Relay Station
- 2: For direct transmission

Ex: ②

ONE-TOUCH< >
PRESS ONE-TCH OR V ^

Repeat step 4 through 10 to enter the numbers for other stations, or return to standby by pressing STOP.

Print out a list of One-Touch/ABBR number or Directory Search List to confirm that you have recorded everything correctly. For the printout operation, refer to page 130.



▶ Relayed Transmission

Sending a Document by Relayed Transmission

Once you have recorded all the necessary parameters in your machine in accordance with the Relay Network you belong to, you can send a document to two or more stations in the network system, automatically, using the procedure below.

1  Set document(s) face down.

ENTER STATION 00%

2  

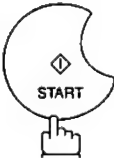
ENTER STATION(S)
THEN PRESS START

3 Dial by any combination of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Directory Search Dialing, press **SET** after each station is entered
(For details, see page 54 to 57.)

Ex:

<01> (Station name)
5551234

4 

The document is stored into memory and your machine starts to dial the number of the Relay Station and sends the document.

* STORE * NO.001
PAGES=01 01%

After the Relay Station finishes its transmission to the End Receiving Stations, your machine prints out a RELAY XMT RESULT REPORT sent back by the Relay Station.



Note: You cannot use manual number dialing in step 3.

Printouts and Reports

When you use Relayed Transmission, your machine will print the following two reports to help you check and keep track of your faxes.

1. Relay XMT Report (COMM. JOURNAL)

When your machine finishes transmitting to the Relay Station, it will print a COMM. Journal when the Fax Parameter No. 12 is set to "2", this tells you whether the transmission was successful or not.

2. Result Report

When the Relay Station finishes transmitting your fax document to the End Receiving Station(s) in your network, it will print a RELAY XMT RESULT REPORT, it tells you what it did and whether it was successful or not.

Sample Relay XMT Report (COMM. JOURNAL)

```
***** -COMM.JOURNAL - ***** DATE JAN-12-1997 **** TIME 15:00 **** P.01

(1)                                (2)                                (3)
MODE = MEMORY RELAYED TRANSMISSION  START= JAN-12 14:50          END= JAN-12 15:00

FILE NO.= 050 (4)

(5)    (6)    (7)    (8)    (9)    (10)    (11)
STN NO. COM  ABBR NO.  STATION NAME/TEL NO.  PAGES  DURATION  RLY STN

001    R-OK  <01>/2000  LONDON  001/001  00:01'30  <01>/2000
002    R-OK  <02>/2001  STOCKHOLM  001/001  RELAY  <01>/2000
003    R-OK  <03>/2002  BERLIN  001/001  RELAY  <01>/2000
004    R-OK  <04>/2003  ROME  001/001  RELAY  <01>/2000

- PANASONIC -

***** - HEAD OFFICE - ***** - 201 555 1212 - *****
```

- | | |
|---|--|
| (1) Indication of communication mode | |
| (2) Start time of communication | |
| (3) End time of communication | |
| (4) File number | : 001 to 255 |
| (5) Sequential number of the stations | : |
| (6) Communication result | : "R-OK" indicates that the Relayed XMT Request was successful.
3-digit Info Code (see page 140) indicates that the communication has failed. |
| (7) Abbreviated number and Network Address | |
| (8) Recorded name in One-touch or ABBR Number dialing | |
| (9) Number of pages transmitted | : 3-digit number is the number of pages successfully transmitted. |
| (10) Duration of communication | : The communication that was requested to be transferred via the relay station is shown as "RELAY". |
| (11) Relay station's ABBR. NO. / Network Address | |

 **Note:** If you transmit through more than one Relay Station, you will receive a separate Result Report.

Relayed Transmission

Sample Result Report (Relay XMT Result)

```
(1)
12-JAN-1997 12:10 FROM LONDON TO NEW YORK P.001/001

***** -RESULT REPORT- ***** DATE 12-JAN-1997 ***** TIME 12:10 ***** P.1
(2)
MODE = RELAY TRANSMISSION
(3)
REQUEST RCV'D TIME=12-JAN 11:40 (6) START=12-JAN 12:00 (7) END=12-JAN 12:10
NUMBER OF PAGE(S) = 001 (4)
FILE NO. = 045 (5)

**** REQUESTING STATION ** (8)
- NEW YORK -
TELEPHONE NUMBER = 212 111 1234
NETWORK ADDRESS = 1000

(9) (10) (11) (12) (13)
NO. COM DESTINATION(S) PAGE(S) RLY STN

01 OK 2000 LONDON 001/001
02 OK 2001 STOCKHOLM 001/001
03 OK 2002 BERLIN 001/001
04 INC 2003 ROME 000/001

**RELAY STATION ** (14)
- LONDON -
TELEPHONE NUMBER = 44 71 111 1234
RELAY ADDRESS= 20
NETWORK ADDRESS= 2000

- LONDON -
***** - 44 71 111 1234 - *****
TOTAL P.01
```

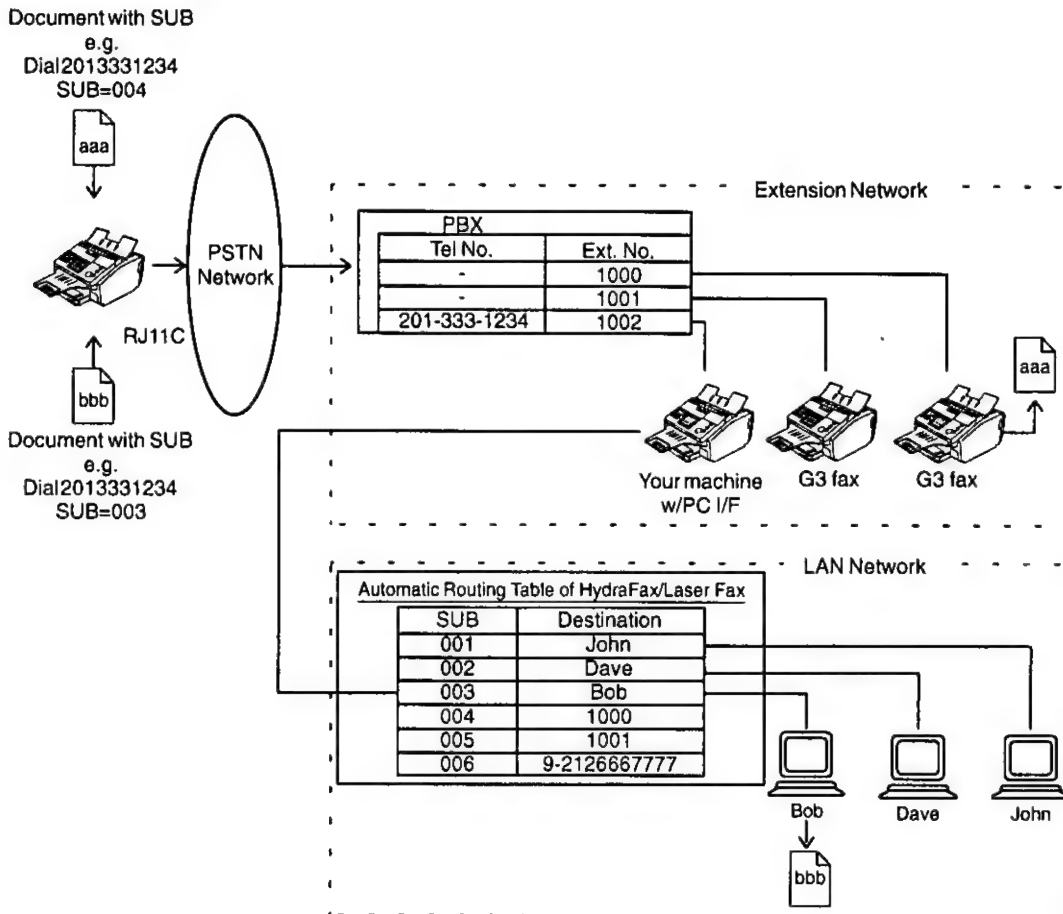
Explanation of Contents

- (1) Relay Station's Header Print
- (2) Indication of transmission mode
- (3) The time when the relay request was received
- (4) Number of pages received for a relay request
- (5) File number of the received relay request file
- (6) The time when the Relay Station starts sending Relay Faxes
- (7) The time when the Relay Station ends sending Relay Faxes
- (8) Initial Sending Station's information (LOGO, Telephone number and Network Address)
- (9) Communication number
- (10) Communication result : "OK" indicates that the transmission was successful.
"R-OK" indicates that the transmission to the Relay Station was successful.
"INC" indicates that the transmission was not completed.
- (11) Station name
- (12) Number of pages transmitted/number of pages received for a Relay Request
- (13) Another Relay Station's Relay Address/Network Address (If transferred to another Relay Station)
- (14) Relay Station's information (LOGO, Telephone number and Network Address)

General Description

The Sub-addressing function allows you further routing, forwarding or relaying of document(s) to the desired recipient(s) when used in combination with the Networking version of HydraFax/LaserFAX software. This function conforms to the ITU-TS recommendation for T. Routing-Facsimile Routing utilizing the Sub-address.

Example of a Network



Compatibility with Other Machines

- Sub-addressing Transmission: UF-342/344/550/770/788/880 (see Note 2)
- Sub-addressing Reception: UF-342/344/550/770/788/880 with PC Interface using the Networking version of HydraFax/LaserFAX software.

Sub-addressing Transmission Methods

You can send a document with Sub-address information to the desired recipient by the following methods.

- By registering the Sub-address information into One-Touch/ABBR. Dialing Numbers.
- By specifying the Sub-address information in the Manual Number Dialing Mode.

Setting of Routing, Forwarding or Relaying

You can customize the Automatic Routing to any combination of LAN (Local Area Network), PSTN (Public Switched Telephone Network) or PBX Extension with HydraFax/LaserFAX Routing Table (please refer to the HydraFax/LaserFAX User Manual).



Note: 1. HydraFax and LaserFAX are trademarks of Wordcraft International Ltd.
2. UF-788 with PC Interface Option or the Option ROM installed.

► Sub-addressing

To set the Sub-address into a One-Touch/ABBR. Dialing Numbers

1

FUNCTION



SET



1: ONE-TOUCH
2: ABBR. NO.

2

Select 1 for One-Touch Dialing number
Select 2 for ABBR. Dialing Number

Ex: ①

ONE-TOUCH< >
PRESS ONE-TCH OR V Λ

3

Ex: 01

<01>
ENTER TEL. NO.

4

Enter the telephone number, press **FLASH** then enter the Sub-address (up to 20 digits).

(up to 36 digits including telephone number, pauses, spaces, FLASH and Sub-address)

Ex: Telephone number = 5551234, Sub-address = 2762

Enter as: ⑤⑤⑤①②③④

FLASH ②⑦⑥②

<01>
5551234s2762

5

SET



Enter the station name.

<01> SALES DEPT
5551234s2762

6

SET



Note: **FLASH** separates the Sub-address from the Telephone number and is indicated by an "s" in the display.

To send a Document with Sub-address

Using One-Touch/ABBR. Number Dialing

The operation is the same as for normal dialing

1



Set document(s) face down.

ENTER STATION 00%

2

01

<01> (Station name)
5551234s2762

* DIALING *
5551234

Your machine starts to dial the number of the station and sends the document(s) with Sub-addressing information.

Using Manual Number Dialing

Use **FLASH** to separate the Telephone number and the Sub-address.

1



Set document(s) face down.

ENTER STATION 00%

2

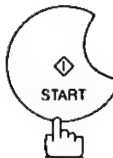
Enter the telephone number, press **FLASH** then enter the Sub-address (up to 20 digits).
(up to 36 digits including telephone number, pauses, spaces, FLASH and Sub-address)
Ex: Telephone number = 5551234, Sub-address =2762

Enter as: ⑤⑤⑤①②③④

FLASH ②⑦⑥②

PRESS START TO DIAL
5551234s2762

3



Your machine starts to dial the number of the station and sends the document(s) with Sub-addressing information.

* DIALING *
5551234



Note: 1. **FLASH** separates the Sub-address from the Telephone number and is indicated by an "s" in the display.

2. Manual Off-Hook or On-Hook Dialing cannot be used with the Sub-addressing Transmission.

3. The Sub-address is not transmitted during Manual Redial Mode.

This page is intentionally left blank.

To help you maintain records of the documents you sent and received, as well as lists of the numbers you record, your facsimile machine is equipped to print the following journals and lists: 32 Transaction Journal, Individual Transmission Journal, Communication Journal, One-Touch/ABBR. No. List, Fax Parameter List, Power Failure Report and File List.

32 Transaction Journal

The "Journal" is a record of the last 32 transactions (a transaction is recorded each time you send or receive a document). It is printed out automatically after every 32 transactions (see Note), but you can print or view it manually by using the following procedure:

1

FUNCTION

6

2

1

SET

3_a

1

for printing a Journal

3_b

2

for viewing a Journal

4_b

Select the viewing mode.

① for viewing transmission transactions only

② for viewing all transactions

Ex: ②

You can view the transactions in the journal by pressing .

or . Press to return to standby.

PRINT OUT (1-7)

ENTER NO. OR v ^

JOURNAL

1:PRINT 2:VIEW

* PRINTING *

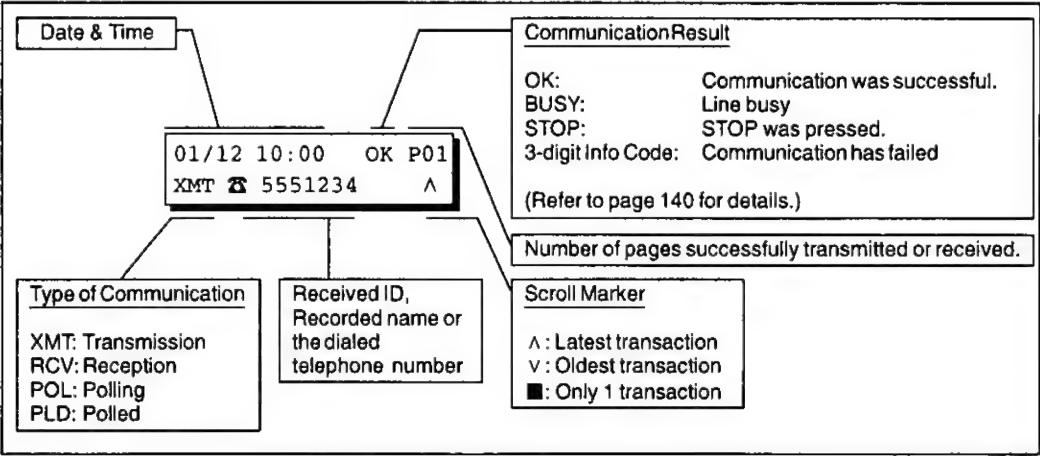
JOURNAL

JOURNAL VIEW

1:XMT ONLY 2:ALL

USE THE v ^ KEYS TO

SCROLL EACH RECORD



Note: If you wish to disable the automatic print out of the 32 Transaction Journal, change the setting of Fax Parameter No. 13 to "Invalid". (See page 38)

► Journals and Lists


Individual Transmission Journal (IND. XMT JOURNAL)

An Individual Transmission Journal contains the information on the latest transmission.

1

FUNCTION

6



PRINT OUT (1-7)
ENTER NO. OR V A

2


6



6: IND. XMT JOURNAL?
PRESS SET TO PRINT

3

SET



* PRINTING *
IND. XMT JOURNAL

Journals and Lists

Sample 32 Transaction Journal

(1)												(2)			
***** -JOURNAL- *****												DATE JAN-12-1997 *****		TIME 15:00 *****	
(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)						
NO.	COM	PAGES	FILE	DURATION	X/R	IDENTIFICATION	DATE	TIME	DIAGNOSTIC						
01	OK	001		00:00'22	XMT	SERVICE DEPT.	JAN-11	17:35	C0044903C0000						
02	OK	003		00:01'17	RCV	111 222 333	JAN-11	17:41	C0044903C0000						
03	OK	001		00:00'31	XMT	ACCOUNTING DEPT.	JAN-11	17:50	C0044903C0000						
04	630	000/005	021	00:00'00	XMT	342345676	JAN-11	17:57	0800420000000						
05	STOP	000		00:00'34	XMT	12324567	JAN-11	18:35	0210260200000						
06	OK	001/001	022	00:00'20	XMT	44567345	JAN-11	18:44	C8044B03C0000						
31	OK	002/002	023	00:00'31	XMT	0245674533	JAN-12	08:35	C8044B03C1000						
32	OK	003/003	024	00:01'32	XMT	030353678980	JAN-12	08:57	C8044B03C1000						
(13)															
-PANASONIC															
***** -HEAD OFFICE												*****		201 555 1212- *****	
(15)												(14)			

Sample Individual Transmission Journal (IND. XMT JOURNAL)

***** -IND. XMT JOURNAL- *****											
(1)						(2)					
DATE JAN-12-1997 ***** TIME 15:00 *****											
(10)	(11)	DATE/TIME = JAN-12-1997 09:00									
(3)	JOURNAL No. = 21										
(4)	COMM.RESULT = OK										
(5)	PAGE(S) = 001										
(7)	DURATION = 00:00'16										
(6)	FILE No. =										
(16)	MODE = TRANSMISSION										
(17)	DESTINATION = [01] / 555 1234 /ABCDEFG										
(18)	RECEIVED ID =										
(19)	RESOLUTION = STD										
(13)											
-PANASONIC -											
***** -HEAD OFFICE - *****											
(15)						(14)					

Journals and Lists

Explanation of Contents

- | | |
|---|---|
| (1) Printout date | |
| (2) Printout time | |
| (3) Journal number | : 01-32 (Does not always begin with 01 when printed out manually) |
| (4) Communication result | : "OK" indicates that the communication was successful.
"BUSY" indicates that the communication has failed because of busy line.
"STOP" indicates that STOP was pressed during communication.
"M-OK" indicates that the substitute reception message in memory was not printed out.
"P-OK" indicates that memory overflow or document misfeeding occurred while storing the documents into memory for transmission but successfully stored document(s) was sent.
"R-OK" indicates that the Relayed XMT or Confidential Communication was successful.
"3-digit Info Code" (see page 140) indicates that the communication has failed. |
| (5) Number of pages transmitted or received | : The 3-digit number is the number of pages successfully transmitted or received.
When the documents are stored into memory, two 3-digit numbers will appear. The first 3-digit number represents the number of pages successfully transmitted. The second 3-digit number represents the total number of pages that were attempted to be transmitted. |
| (6) File number | : 001 to 255 (If the communication is stored into memory, a file number is assigned for each communication.) |
| (7) Duration of communication | |
| (8) Type of communication | : "XMT" means Transmission
"RCV" means Reception
"POL" means Polling
"PLD" means Polled |
| (9) Remote station identification | : Name : Recorded name in One-Touch or ABBR. Numbers or remote station's Character ID.
☎ number : Dialed telephone number (PIN code will not be shown)
Number : Remote station's ID number. |
| (10) Communication date | |
| (11) Communication Start time | |
| (12) Diagnostic | : For service personnel only |
| (13) Own LOGO | : Up to 25 characters |
| (14) Own ID number | : Up to 20 digits |
| (15) Own Character ID | : Up to 16 characters |
| (16) Type of communication | : Transmission or memory transmission |
| (17) Destination | : If a One-Touch or ABBR was used for the transmission:
One-Touch or ABBR. No./Telephone Number/Recorded Name
If not : Telephone number |
| (18) Received remote station's ID | : Character ID/ID number |
| (19) Resolution | : "STD" means standard resolution
"FINE" means fine resolution
"S-FINE" means super fine resolution
"300dpi" means 300dpi resolution [UF-344] |



Communication Journal (COMM. JOURNAL)

The Communication Journal (COMM. JOURNAL) lets you verify whether the transmission or polling was successful. You may select the printout condition (OFF/ON/INC) in Function 8-1 or Fax Parameter No. 12.

Sample COMM. JOURNAL

***** - COMM. JOURNAL - *****						DATE JAN-12-1997	****	TIME 15:00	****	P.01
(1)					(2)			(3)		
MODE = MEMORY TRANSMISSION				START=JAN-12 11:50		END=JAN-12 12:00				
FILE NO.= 050 (4)										
(5)	(6)	(7)	(8)	(9)	(10)					
STN NO.	COM	ABBR NO.	STATION NAME/TEL NO.	PAGES	DURATION					
001	OK	<01>	SERVICE DEPT.	001/001	00:01'30					
002	OK	<02>	SALES DEPT.	001/001	00:01'25					
003	407	<03>	ACCOUNTING DEPT.	000/001	00:01'45					
004	BUSY	☎	021 111 1234	000/001	00:00'00					
- PANASONIC -										
***** - HEAD OFFICE						***** - 201 555 1212 - *****				

Explanation of Contents

- | | |
|--|--|
| (1) Indication of communication mode | |
| (2) Start time of communication | |
| (3) End time of communication | |
| (4) File number | : 001 to 255 (When the communication is stored into memory, a file number is assigned for each communication.) |
| (5) Station number | : Sequential number of the stations |
| (6) Communication result | : "OK" indicates that the communication was successful.
"BUSY" indicates that the communication has failed because of busy line.
"STOP" indicates that STOP was pressed during communication.
"M-OK" indicates that the substitute reception message in memory was not printed out.
"P-OK" indicates that memory overflow or document misfeeding occurred while storing the documents into memory for transmission but successfully stored document(s) was sent.
"R-OK" indicates that the Relayed XMT or Confidential Communication was successful.
"3-digit info code" (see page 140) indicates that the communication has failed. |
| (7) Abbreviated number or  mark | :  mark indicates dialed by direct number dial. |
| (8) Recorded name in One-Touch, ABBR. or direct dialing number | |
| (9) Number of pages transmitted or received | : The 3-digit number is the number of pages successfully transmitted or received.
When the documents are stored into memory, two 3-digit numbers will appear. The first 3-digit number represents the number of pages successfully transmitted. The second 3-digit number represents the total number of pages that were attempted to be transmitted. |
| (10) Duration of Communication | |

► Journals and Lists

One-Touch/Abbreviated and Directory Search List

To print a One-Touch/Abbreviated Number and Directory Search List of the telephone numbers you have stored.

1

FUNCTION

6

PRINT OUT

(1-7)

ENTER NO. OR V A

2

2

2:ONE-TCH/ABBR LIST?

PRESS SET TO PRINT

3

SET

1:ONE-TOUCH/ABBR.NO.

2:DIR. SEARCH

4

1

for One-Touch/ABBR. Number List

2

for Directory Search List

* PRINTING *

ONE-TOUCH/ABBR. LIST

* PRINTING *

DIR. SEARCH LIST

130

Sample One-Touch List

***** -ONE-TOUCH LIST- ***** DATE JAN-12-1997 ***** TIME 15:00 *** P.01

(1) ONE-TOUCH	(2) STATION NAME	(3) TELEPHONE NO.	(5) NETWORK ADRS	(6) RELAY STN.	(7) RELAY ADRS	(8) ONE STN XMT
<01>	SERVICE DEPT.	121 555 1234	2000	YES	20	DIRECT
<02>	SALES DEPT.	222 666 2345	2001	NO	20	DIRECT
<03>	ACCOUNTING DEPT	313 333 3456	2002	NO	20	DIRECT

NO. OF STATIONS = 03 (4) (see Note)

OWN TELEPHONE NO.=12345678 (9)
OWN NETWORK ADDRESS=1000 (10)
NETWORK PASSWORD=9999 (11)

(see Note)

-PANASONIC -

***** -HEAD OFFICE - ***** 201 555 1212- *****

Sample ABBR. Number List

***** -ABBR. NO. LIST- ***** DATE JAN-12-1997 ***** TIME 15:00 *** P.01

(1) ABBR NO.	(2) STATION NAME	(3) TELEPHONE NO.	(5) NETWORK ADRS	(6) RELAY STN.	(7) RELAY ADRS	(8) ONE STN XMT
[01]	ENG. DEPT.	888 555 1234	3000	YES	30	DIRECT
[02]	PURCHASE DEPT.	999 666 2345	3001	NO	30	DIRECT
[03]	REGULATION DEPT	777 333 3456	3002	NO	30	DIRECT

NO. OF STATIONS = 03 (see Note)

OWN TELEPHONE NO.=12345678 (9)
OWN NETWORK ADDRESS=1000 (10)
NETWORK PASSWORD=9999 (11)

(see Note)

-PANASONIC -

***** -HEAD OFFICE - ***** 201 555 1212- *****



Note: This information will be printed if the setting of Fax Parameter No.40 (RELAYED XMT REQUEST) or No. 41 (CONF. FAX PARAMETER) is set to "Valid".

Journals and Lists

Sample Directory Search List

```

***** -DIR. SEARCH LIST- ***** DATE JAN-12-1997 ***** TIME 15:00 *** P.01

(12) (2)          (1) (3)
      STATION NAME  ABBR TELEPHONE NUMBER
[A]  ACCOUNTING DEPT <03> 313 333 3456

[E]  ENG. DEPT.     [01] 888 555 1234

[P]  PURCHASE DEPT  [02] 555 666 2345

[R]  REGULATION DEPT [03] 777 333 3456

[S]  SALES DEPT.    <01> 121 555 1234
      SERVICE DEPT  <02> 222 666 2345

(5) (6) (7) (8)
NETWORK RELAY RELAY ONE STN
ADRS STN. ADRS XMT
2002 NO 20 DIRECT
3000 YES 30 DIRECT
3001 NO 30 DIRECT
3002 NO 30 DIRECT
2000 YES 20 DIRECT
2001 NO 20 DIRECT
      (see Note)

NO. OF STATIONS = 06 (4)

OWN TELEPHONE NO. = 12345678 (9)
OWN NETWORK ADDRESS = 1000 (10)
NETWORK PASSWORD = 9999 (11)
      (see Note)

-PANASONIC -

***** -HEAD OFFICE - ***** 201 555 1212 - *****
    
```



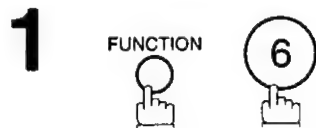
Note: This information will be printed if the setting of Fax Parameter No. 40 (RELAYED XMT REQUEST) or No. 41 (CONF. FAX PARAMETER) is set to "Valid".

Explanation of Contents

- | | |
|--|--|
| (1) One-Touch number or Abbreviated number | : <nn> = One-Touch number, [nn] = Abbreviated number |
| (2) Station name recorded in the machine | : Up to 15 characters |
| (3) Telephone number recorded in the machine | : Up to 36 digits |
| (4) Number of recorded One-Touch and ABBR. numbers | |
| (5) Network Address | : 4-digit |
| (6) Relay Station | : Yes/No |
| (7) Relay Address | : 2-digit |
| (8) One Station XMT | : Relay/Direct |
| (9) Own telephone number | : Up to 36 digits |
| (10) Own Network Address | : 4-digit |
| (11) Network Password | : 4-digit |
| (12) The first letter of station name recorded in your machine | |

Program List

To print a Program List of the Dialing Patterns that you have previously entered into the Program Keys.



PRINT OUT (1-7)
ENTER NO. OR V A



3: PROGRAM LIST?
PRESS SET TO PRINT



* PRINTING *
PROGRAM LIST

7
=

Sample Program List

***** -PROGRAM LIST- ***** DATE JAN-12-1997 ***** TIME 15:00 *** P.01				
(1) PROGRAM	(2) PROGRAM NAME	(3) TYPE	(4) TIMER	(5) ABBR.NOS.
[P1]	TIMER XMT	XMT	12:00	[01]
[P2]	TIMER POLL	POLL	19:00	[02]
[P3]	PROG. A	POLL	-----	[01] [02]
[P4]	PROG. B	ABBR/GRP	-----	[01] [02] [03]
-PANASONIC -				
***** -HEAD OFFICE - ***** 201 555 1212- *****				

Explanation of Contents

- | | |
|-------------------------------------|---|
| (1) Program key | : P1 to P4 |
| (2) Program name | : Up to 15 characters |
| (3) Type of communication | : "XMT" indicates transmission.
"POLL" indicates polling.
"ABBR/GRP" indicates that the Program key is programmed as a group key.
"ONE-TOUCH" indicates that the Program key is programmed as a One-Touch key. |
| (4) Timer | : Indicates the starting time.
"-----" indicates that the Program key contains "non-deferred" program. |
| (5) Numbers recorded in the program | : One-Touch/ABBR. numbers |

Journals and Lists

FAX Parameter List

To print out a FAX Parameter List:



PRINT OUT (1-7)
ENTER NO. OR V A



4:FAX PARA. LIST?
PRESS SET TO PRINT



* PRINTING *
FAX PARAMETER LIST

Sample FAX Parameter List

```
***** -FAX PARAMETER LIST- ***** DATE JAN-12-1997 ***** TIME 15:00 *****
```

(1) PARAMETER NUMBER	(2) DESCRIPTION	(3) SELECTION	(4) CURRENT SETTING	(5) STANDARD SETTING
01	CONTRAST (HOME)	(1:Normal 2:Lighter 3:Darker)	1	1
02	RESOLUTION (HOME)	(1:Standard 2:Fine 3:S-Fine)	2	1
04	STAMP (HOME)	(1:Off 2:On)	1	1
99	MEMORY SIZE		(512KB + 1MB)	(6)

-PANASONIC-

```
***** -HEAD OFFICE - ***** 201 555 1212- *****
```

Explanation of Contents

(1) Parameter number	(4) Current setting	: "----" indicates code or password is not set. When the code or password is set, it is shown in parenthesis. When RCV To Memory Password is set, 0000 is shown in parenthesis.
(2) Description	(5) Standard setting	: "(HOME)" means home position setting. : Factory preset standard setting
(3) Selection	(6) Memory sizes	: (Base memory + option memory)

Power Failure Report

Your machine has "Flash Memory" to retain the file(s) even if a power failure occurs. Furthermore, an expansion "Flash Memory Card" can be installed in your machine (see page 161).

If the expansion "Flash Memory Card" is removed while it is in use, the file(s) may be lost. In this case, a Power Failure Report will be printed automatically after the power is restored. This report is not printed if there were no files in the memory.

Sample Power Failure Report

***** -POWER FAILURE REPORT- ***** DATE JAN-12-1997 ***** TIME 15:00 *** P.01				
POWER FAILURE OCCURRED !				
FROM *** JAN-12-1997 10:00 *** (1)				
TO *** JAN-12-1997 15:00 *** (2)				
FOLLOWING FILE(S) HAS BEEN LOST.				
(3) FILE NO.	(4) COMM. TYPE	(5) ABBR NO.	(6) STATION NAME/TEL NO.	(7) PAGES
002	MEM. POLLED XMT			003
003	RCV TO MEMORY			005
015	MEM. DEF. XMT	<01> <02>	SALES DEPT. SERVICE DEPT	000/003 000/003
018	MEMORY XMT	<03> ☎	ACCOUNTING DEPT. 021 111 1234	005/005 000/005
-PANASONIC -				
***** -HEAD OFFICE - ***** 201 555 1212- *****				

Explanation of Contents

- (1) Power failure date and time
- (2) Power restored date and time
- (3) File number : 001 to 255.
- (4) Communication type
- (5) Abbreviated number or ☎ mark : ☎ mark indicates dialed by Manual Number dialing
- (6) Recorded name in One-touch, ABBR. or Manual Number dialing
- (7) Number of pages stored : The first 3-digit number represents the number of page successfully transmitted. The second 3-digit number represents the number of pages stored in memory.

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If You Have Any of These Problems

Mode	Symptom	Action	Page
During Installation	The display is blinking	Battery is completely discharged. This may happen at first installation. Replace the battery and re-set the clock.	27 152
During Transmission	Document doesn't feed/multiple feed	1. Check that your document is free of staples and paper clips, and that it is not greasy or torn. 2. Check that your document is the right type to send through a fax machine by consulting the list on "Documents You Cannot Send". If your document has the characteristics listed, make a photocopy of your document and send the copy instead. 3. Check that the document is loaded properly. 4. Adjust the ADF Pressure.	41 42 147
	Document jam	The information code 031 will appear on the display if the document becomes jammed.	144
	Does not stamp	1. Check if Stamp LED is lit. 2. Check Fax parameter No. 04 and No. 28 settings.	44 37,39
	Stamp too light	Replace stamp or refill ink.	153
Transmission Copy Quality	Vertical lines on the transmitted document	Check own copy quality. If copy is OK, your machine has no problem, report to the receiving party that they have a problem. If copy is NG, clean the Document Scanning Area.	146
	Transmitted document is blank	1. Make sure the document is set face down. 2. Check own copy quality. If copy is OK, your machine has no problem, report to the receiving party that they have a problem. If copy is NG, clean the Document Scanning Area.	146
During Reception	No recording paper	The information code 010 will appear on the display if the paper runs out.	20 68
	Recording paper jam	The information code 001, 002 or 016 will appear on the display if the paper gets jammed.	143
	Recording paper doesn't advance into machine	Make sure that there is paper in the Paper Cassette. Follow instructions for loading paper.	20
	Recording paper doesn't eject after printing	Check to see if the recording paper is jammed inside of the machine.	143
	Document auto reduction doesn't work	Check Print Reduction settings.	67
	Out of Black ink	The information code 015 will appear on the display if the Print Cartridge runs out of Black ink. Unit detects the out of ink for black ink only. (UG-3502A and UG-3505A)	148

Troubleshooting

Mode	Symptom	Action	Page
Print Copy Quality	Vertical lines printing on the received document	Printout a Journal report and check quality to make sure if your machine has trouble or not. If Journal report quality is OK, your machine has no problem, report to the sending party that they have a problem. If copy is NG, replace the Print Cartridge.	125 148 150
	Fuzzy print	1. Make sure you are using the correct paper for the best possible print quality. 2. Try reversing the recording paper to the other side.	158
	Missing dots or lines/inconsistent darkness within print	1. Make sure you are using the correct paper for the best possible print quality. 2. Replace Print Cartridge.	158 148 150
	Fading print	The Print Cartridge may be running out of ink. Replace Print Cartridge.	148 150
	Faint print	You may need to choose a different paper for the best possible print quality.	158
Color Copy Quality (UF-344 only)	The color print quality does not match the color on the original	1. Perform the Print Head Cleaning cycle. 2. Replace the Color Print Cartridge or the Ink Cartridge Refill if any of the colors do not print correctly. 3. Perform the Color Calibration adjustment.	145 150 72
Communication	No dial tone	1. Check the connection of the telephone line. 2. Check the telephone line.	154
	No auto answer	1. Check the connection of the telephone line. 2. Check the Reception mode setting.	154 62
	Cannot transmit or receive	An information code will be shown on the display. Refer to the information code table to find out the trouble.	140
No Unit Operation	No unit operation	To reset the machine, turn-off the Power Switch for a few seconds then turn it on again.	23

Mode	Symptom	Action	Page
TAM Interface Trouble in Unattended TAM I/F Mode (OUT Mode)	Cannot utilize the remote turn-on feature of the telephone answering machine (TAM). The fax machine always answers after the 8th ring.	This feature is not compatible. The fax machine is designed to answer after 8 rings if the TAM does not answer.	--
	Fax machine will not start up when the telephone answering machine is set to give only an outgoing message (OGM).	TAM that gives outgoing announcement only is not compatible. The fax machine will work with a TAM that will record Incoming message (ICM).	--
	A beep...beep sound is recorded on the telephone answering machine.	Speak a little slower between each word while recording an outgoing message (OGM).	--
	Fax machine starts up in the middle of the outgoing message even though the caller wants to leave a voice message.	Make sure the outgoing message (OGM) does not have a silent pause longer than 5 seconds.	--
	Cannot record any incoming message (ICM). The fax machine always starts up at the end of the OGM and before the tape advances to the end of last ICM.(Your TAM only uses a single cassette tape to give OGM and record ICM.)	Set Fax Parameter No. 20 (Silent Detection) to "Invalid". And, instruct the calling party to press * twice on their touch-tone phone during the OGM to start up your fax machine remotely.	38
	Cannot receive from a machine that does not send CNG signal (a short beep tone every 3 seconds) after dialing.	Set Fax Parameter No. 20 (Silent Detection) to "Valid". Or, Instruct the calling party to press * twice on their touch-tone phone during the OGM to start up your fax machine remotely.	38
	Cannot retrieve message from the answering machine remotely, the fax machine always starts up after the command code is entered.	Set Fax Parameter No. 20 (Silent Detection) to "Invalid".	38
	Cannot receive a fax message, but can record voice message.	Check your outgoing message, if it is too long, the calling fax machine may have timed out. Try to shorten your outgoing message to less than 15 seconds, or ask the calling party to program your telephone number in their fax machine with 3 pauses and a "#" at the end.(ex. 5551212 PAUSE PAUSE PAUSE #)	--
TAM Interface Trouble In Unattended Fax Mode (OUT Mode)	Fax machine will not start to receive with the telephone answering machine in the auto-answer mode.	Increase the ring count for detection on the telephone answering machine.	--

Troubleshooting

Information Codes

When something unusual occurs, the display may show one of the Information Codes listed below. These will help you to identify and correct the problem.

Info. Code	Meaning	Action	Page
001/002	Recording paper jam.	Remove jammed paper.	143
010	No recording paper.	Load the recording paper.	20
014	Print Cartridge is not installed.	Install the Print Cartridge.	18
015	Out of Black ink.	Replace the Black Print Cartridge or Black Ink Cartridge Refill.	148
016	Print Cartridge Cradle can not move.	Paper jam may occur. Remove jammed paper.	143
026	The backup battery is getting weak.	Replace the battery. Otherwise, the memory contents may be lost.	152
027	Color Calibration failed.	1. Replace the Color Print Cartridge or Ink Cartridge Refill. 2. Contact your local Panasonic Dealer for service.	72
030	Document misfeeding.	1. Reload the document properly. 2. Remove document jam. 3. Adjust ADF.	42 144 147
031	Document paper is too long or jammed. Document length exceeds 78.8 inches (2 meters).	1. Reload the document properly. 2. Remove document jam.	42 144
060	Printer Cover is open.	Close the Printer Cover.	--
061	ADF Door (Document Return Guide) is open.	Close the ADF Door.	--
211/212	Modem Failure.	Contact your local Panasonic Dealer for service.	--
220	While receiving, certain signals were not detected by the Modem due to phone line noise.	If document contains errors, ask the remote side to resend the document.	--
300 – 316	Printer engine failure.	Contact your local Panasonic Dealer for service.	--
400	During initial handshake, receiving station did not respond or communication error occurred.	1. Check with the other party. 2. Reload the document and send again.	--

Info. Code	Meaning	Action	Page
401	Remote station required a Receiving Password to receive the document. Remote station does not have Confidential Mailbox.	Check the remote station.	--
402	During initial handshake, communication error occurred.	Reload the document and send again.	--
403	No polling capability at the remote side.	Ask remote side to set "POLLED=ON".	--
404/405	During initial handshake, communication error occurred.	Reload the document and send again.	--
406	Received from an unauthorized station in Selective Reception mode.	Check the telephone number in One-Touch or Abbreviated station.	99
407	No confirmation from the receiving station for the previous page sent.	Wait a few minutes and send again.	--
408/409	Remote side confirmation of previous page is illegible.	Wait a few minutes and send again.	--
411	Polling password does not match.	Check the polling password.	77
412	No data from the transmitting side.	Check with the other party.	--
414	Polling password does not match.	Check the polling password.	77
415	Polling transmission error.	Check the polling password.	77
416/417 418/419	Received data has too many errors.	Check with the other party.	--
420	Machine goes to receiving mode, but receives no command from the transmitting side.	1. Remote side misdial. 2. Check with the other party.	--
422/427	Interface is incompatible.	Check with the other party.	--
430/434	Communication error occurred while receiving.	Check with the other party.	--
436/490	Received data has too many errors.	Check with the other party.	--
456	<ul style="list-style-type: none"> Unit received a confidential document or was requested to be polled of a confidential document under any of following conditions. <ol style="list-style-type: none"> 1) Memory does not have enough space to receive the confidential document. 2) Confidential Mailbox file is full (7 files). 3) While printing received document. Unit was requested to relay a document. 	1. Printout File List then check the contents. 2. Wait until unit finishes printing.	86

Troubleshooting

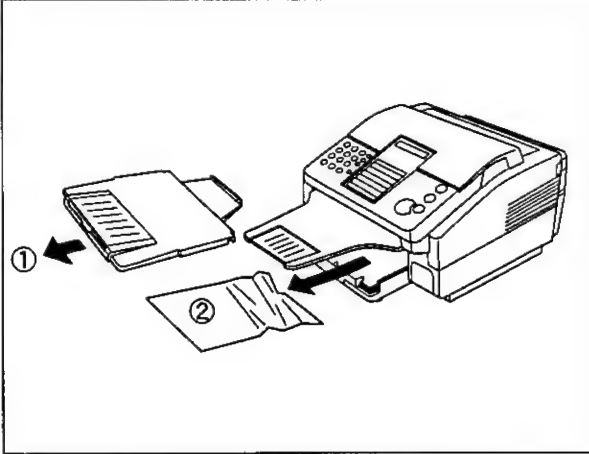
Info. Code	Meaning	Action	Page
492/493 494	Communication error occurred while receiving.	Check with the other party.	--
495	Telephone line disconnected.	Check with the other party.	--
540/541 542 543/544	Communication error occurred while transmitting.	1. Reload the document and send again. 2. Check with the other party.	--
550	Telephone line disconnected.	Check with the other party.	--
552/553 554/555	Communication error occurred while receiving.	Check with the other party.	--
580	Sub-address transmission to a unit that has no Sub-address function.	Check the remote station.	121
581	Sub-address Password transmission to a unit that has no Password Sub-address function.	Check the remote station.	121
623	No document loaded on the ADF.	Reload the document and send again.	--
630	Redial was not successful due to a busy line or no response from the called station.	Reload the document and send again.	--
631	During dialing, STOP was pressed.	Reload the document and send again.	--
634	Redial was not successful due to a busy line or no response from the called station.	Reload the document and send again.	--
638	Power failure occurred during the communication.	Check the power cord and plug.	22
870	Memory overflow occurred while storing documents into memory for transmission.	Transmit documents without storing into memory. Order additional memory option.	47 160
879	Memory overflow occurred while receiving documents into memory. Receiving documents with data that is greater than the memory size.	Check recording paper and print cartridge.	18 20
975	DRAM parity error. The document information in memory is lost.	1. Unit will print out a Power Failure Report. 2. Resend the lost document.	135

Clearing a Recording Paper Jam

If the recording paper becomes jammed in the machine, the display will show Information Code 001, 002 or 016.

To clear the jam, Info. Code 001

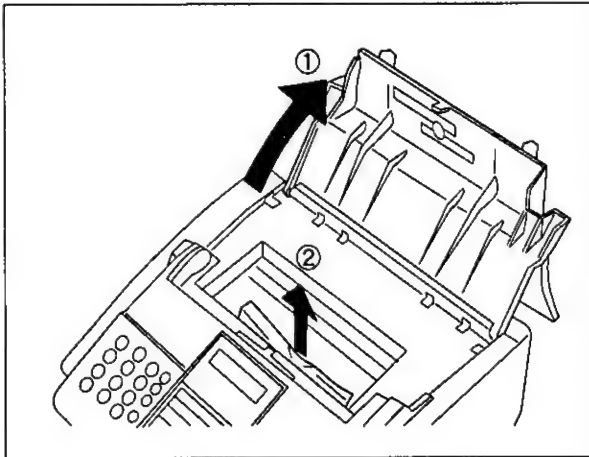
1



- ① Remove the Recording Paper Cover.
- ② Remove the jammed paper.
- ③ Press **STOP**.
- ④ Re-install the Recording Paper Cover.

To clear the jam, Info. Code 002 or 016

2



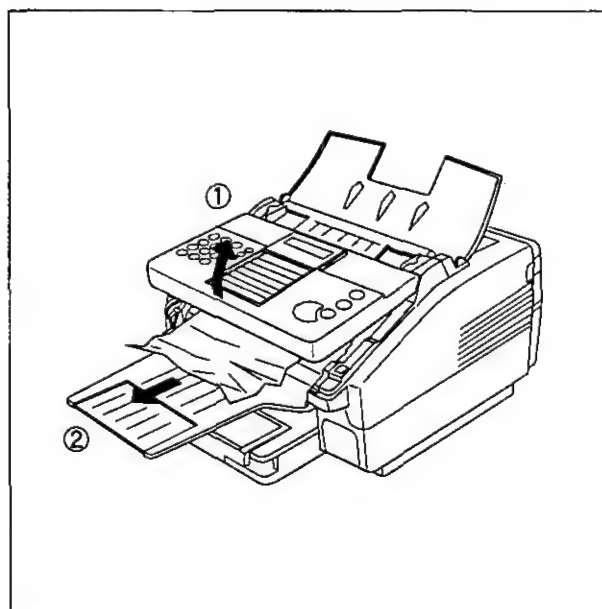
- ① Open the Printer Cover.
- ② Remove the jammed paper.
- ③ Close the Printer Cover.

► Troubleshooting

Clearing a Document Jam

If a document becomes jammed in the machine, the display will show the Information Code 031.

To clear the jam

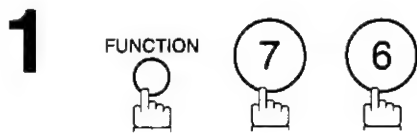


- ① Remove the documents from ADF and open the ADF Door.
- ② Remove the jammed paper.
- ③ Close the ADF Door.

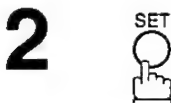
Cleaning the Print Head

If the printed document has dots or lines missing, check the Print Cartridge.

To clean the Print Head



6:CLEAN CARTRIDGE?
PRESS SET TO SELECT



Machine starts to clean the Print Head.
Then, prints the Ink Test Pattern and returns to standby
automatically.

* CLEANING *
PRINT CARTRIDGE

Make sure that the Patterns are solid, if they are not:
1. Repeat the cleaning procedure again.
2. Replace the Print Cartridge.


* PRINTING *
INK TEST PATTERN

Ink Test Pattern Sample (The sample shown below is not in color and not to scale)


*** INK TEST PATTERN ***

The following patterns are used to verify the availability of each Basic Color in the ink cartridge. The printing order of the Ink Test Pattern is Black, Yellow, Magenta and Cyan, depending whether the Black or Color Print Cartridge is installed.

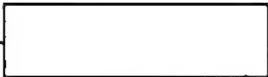
Black



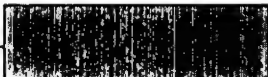
Yellow



Magenta



Cyan



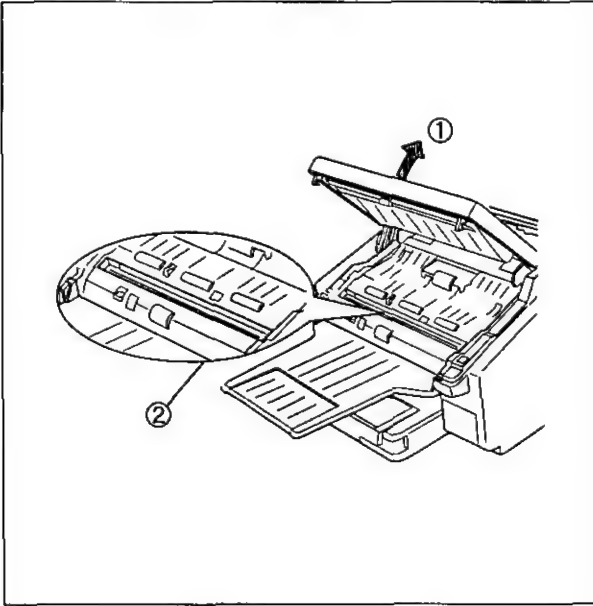
Prints when the Color Print Cartridge is installed.

► Troubleshooting

Cleaning the Document Scanning Area

If the receiving party reports that the received documents were black, or contained black lines, try making a copy on your unit to verify. If the copy is black or has black lines, the document Scanning Area is probably dirty and must be cleaned.

To clean the Scanning Area

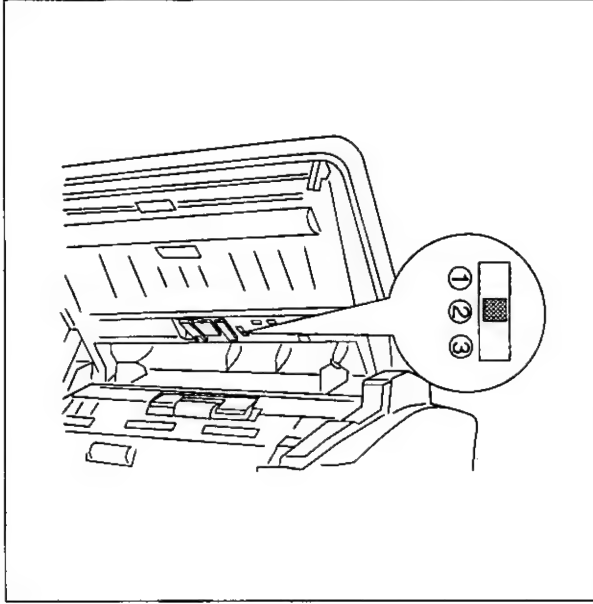


- ① Open the ADF Door.
- ② Wipe the Scanning Area gently with a soft cloth or gauze wet with ethyl alcohol. Be sure to use a clean cloth, the Scanning Area can be easily scratched.
- ③ Close the ADF Door.

Adjusting the Automatic Document Feeder (ADF)

If document misfeeding occurs frequently, we suggest you adjust the ADF.

To adjust the ADF



Open the ADF Door and slide the Pressure Adjusting Lever to the desired position depends on the condition.

Position	Condition
1	To prevent no feed trouble
2	Standard position
3	To prevent multiple feed trouble

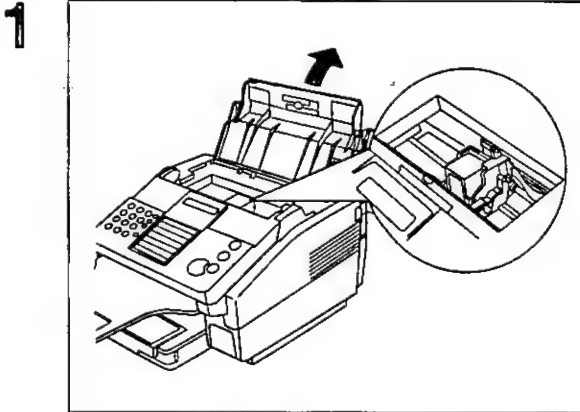
▶ Troubleshooting

Replacing the Black Print Cartridge

If the Black Print Cartridge runs out of ink, the following message is shown on the display.

OUT OF BLACK INK
INFO. CODE=015

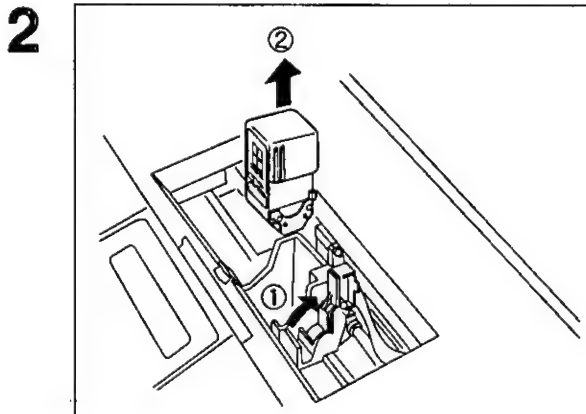
To replace the Black Print Cartridge.



Open the Printer Cover.

Make sure that the Print Cartridge Cradle has moved to the center of the machine.

If not, press **FUNCTION** ⑦ ⑧ **SET** to move the cradle to the center. (see Note)



① Lift the Green Lever on the cradle.

② Lift the Print Cartridge out of the cradle.

⚠ CAUTION

Be sure not to touch the high temperature metal plate, the print head on the Print Cartridge or the sharp edges around it when removing the used cartridge.

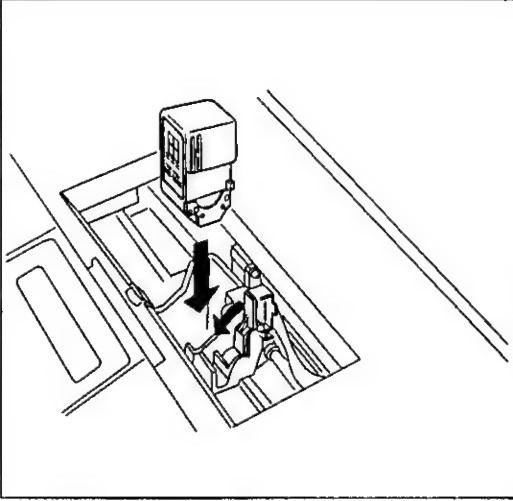
Continued on the next page.



Note: If the following message is shown on the display after pressing **SET**, wait a few minutes to allow the print head to return to normal operating temperature. Then press **STOP** to reset the message on the display.

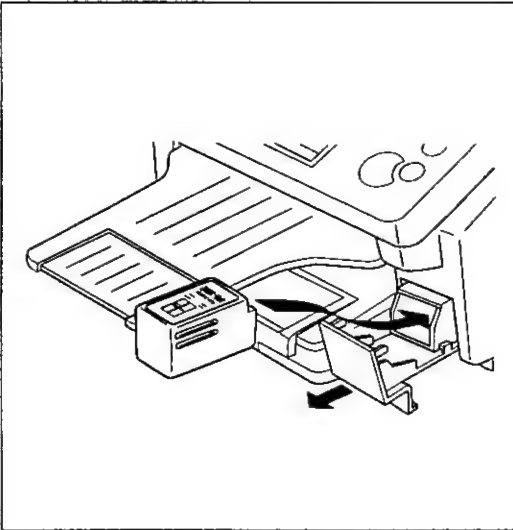
CARTRIDGE OVERHEATED
WAIT A FEW MINUTES

3



- ① Place the new Print Cartridge in the cradle.
- ② Push the Green Lever down until it locks in place.
- ③ Close the Printer Cover.

4



Your machine has a drawer to store an unsealed Print Cartridge.

- ① Pull the Cartridge Drawer on the right front of the machine.
- ② Insert the Print Cartridge into the drawer and push the cartridge down, snapping the cartridge into place. Then, close the Cartridge Drawer.

Maintaining Print Quality : Keep the print cartridge in the cradle at all times. Removing the cartridge will expose it to air, causing the ink to evaporate, and degrade the print quality. Keep the print cartridge in its "home" position when the printer is not being used. Leaving it out of position will cause the ink to evaporate quickly.

Storing Print Cartridge : The following instructions will help you when storing unused print cartridges.

- Keep the print cartridge in its sealed container until you are ready to use it.
- Store the print cartridge container at room temperature.
- Install the print/ink cartridge in the cradle/slot immediately after opening the sealed container.



Note: Before replacing the cartridge, we recommend to perform the cleaning cycle a few times (see *Cleaning the Print Head* on page 145) since the Print Head might be clogged with dried ink.

► Troubleshooting

Replacing the Color Print Cartridge or the Ink Cartridge Refills

If the following conditions occur when the Color Print Cartridge is in use, replace the Color Print Cartridge or the Ink Cartridge Refills.

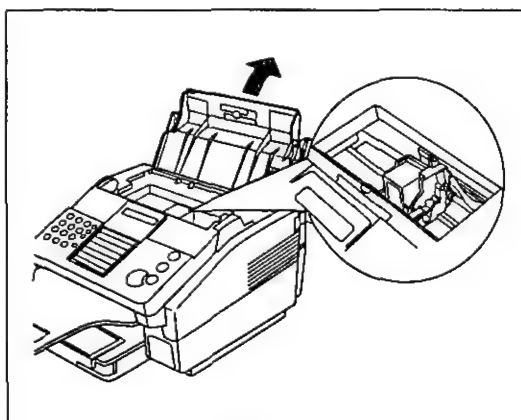
- Your machine detects out of ink. (see Note 2)
⇒ Replace the Black Ink Cartridge Refill (Order No.: UG-3505A)
- Printed document has a missing color.
⇒ Replace the Color Ink Cartridge Refill (Order No.: UG-3504A)
- Printed document has dots or line missing.
⇒ Replace the Color Print Cartridge (Order No.: UG-3503A)

To replace the Color Print Cartridge

Follow the same procedure as on page 148 and 149.

To replace the Ink Cartridge Refills

1

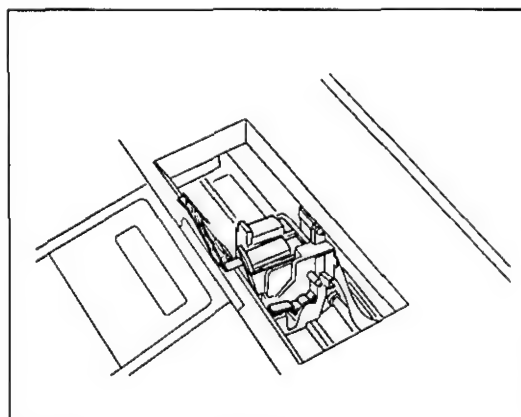


Open the Printer Cover.

Make sure that the Print Cartridge Cradle has moved to the center of the machine.

If not, press **FUNCTION ⑦ ⑧ **SET** to move the cradle to the center. (see Note 1)**

2



Pull the projection of the Ink Cartridge Refill towards the front of the machine and remove it from the slot.

Discard the Ink Cartridge Refill only, do not discard the Color Print Cartridge.

Continued on the next page.

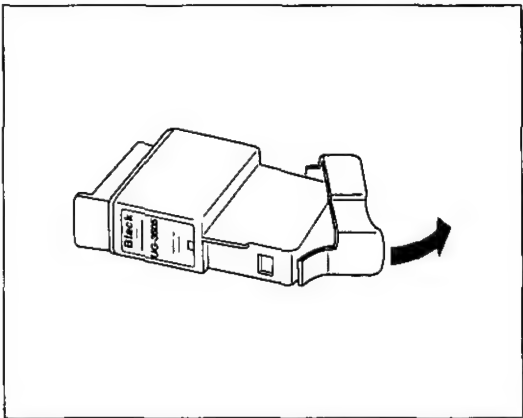


Note: 1. If the following message is shown on the display after pressing **SET**, wait a few minutes to allow the print head to return to normal operating temperature. Then press **STOP** to reset the message on the display.

CARTRIDGE OVERHEATED
WAIT A FEW MINUTES

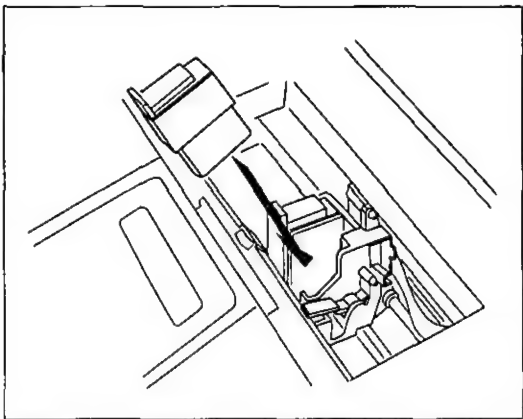
2. Your machine can detect the level of the black ink only if Color Print Cartridge is installed.

3



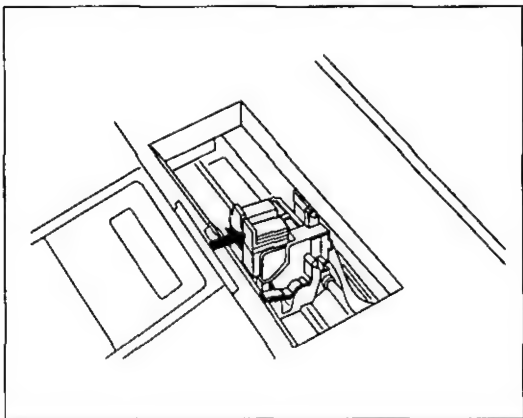
Remove the protection cap from the new Ink Cartridge Refill.

4



Insert the new Ink Cartridge Refill into the slot.

5



Push the cartridge into the slot, snapping the cartridge into place and close the Printer Cover.

8



Note: Before replacing the cartridge, we recommend to perform the cleaning cycle a few times (see *Cleaning the Print Head* on page 145) since the Print Head might be clogged with dried ink.

► Troubleshooting

Replacing the Battery

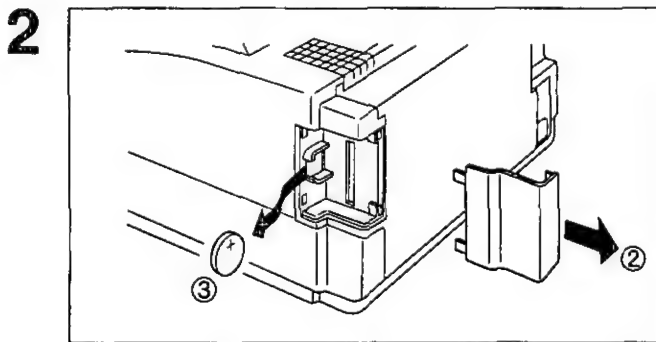
During the initial self test, when the power is turn "On", the machine will evaluate the condition of the back up battery. If the battery is weak or fully discharged, the following message will be shown on the display.

REPLACE BATTERY
INFO. CODE=026

To replace the battery, follow the procedure below:

- 1** Print a File List to confirm that there is no file stored in memory. (See Note 1)

To print a File List, press **FUNCTION**, **9**, **1** and **SET**.



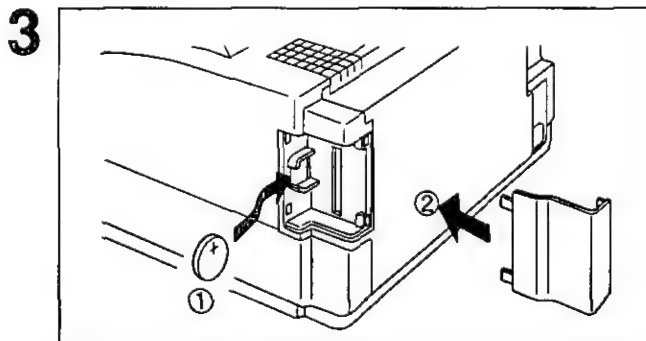
- ① Turn the Power Switch to the "O" (OFF) position.

- ② Remove the Memory Card Cover.

- ③ Remove the Battery by sliding it inward and then out of the socket.

⚠ CAUTION

Dispose the battery properly and keep it away from small children.



- ① Install the new battery (Order No.: CR 2032) with the ⊕ side facing out.

- ② Re-install the Memory Card Cover.

- ③ Turn the Power Switch to the "I" (ON) position.

- 4** If the clock is flashing on the LCD Display, follow the procedure on page 27 to reset the clock.



Note: 1. If the power is turned "Off" and the battery is weak or fully discharged, the transmit and polling information of a file stored in memory may be lost. However the received document(s) in memory will be preserved and will print out automatically after the power is restored.

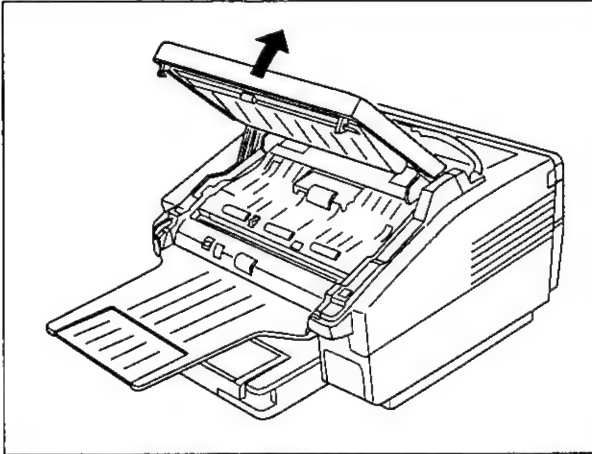
2. The service life of the battery is approximately 1 year when the machine is turned "Off".

Verification Stamp

The Verification Stamp contains ink. When the stamp mark appears faded or hard to see, the stamp should be replaced or refilled with ink.

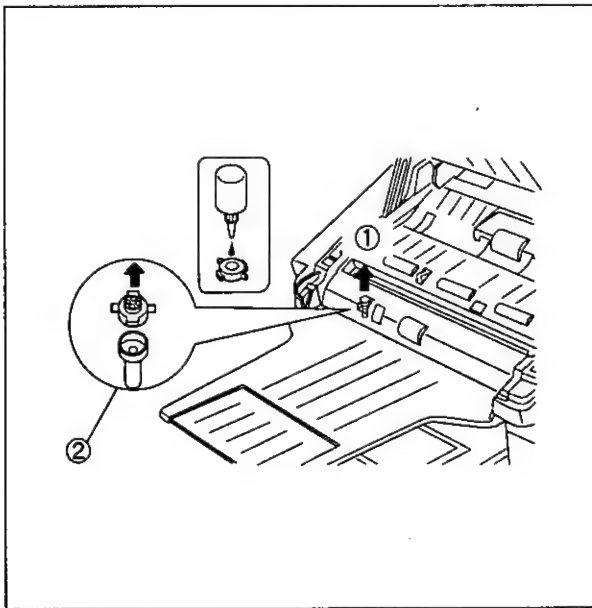
To remove the stamp

1



Open the ADF door.

2



① Push up on the Stamp Shaft from under the machine. Then, remove it.

② Remove the Verification Stamp. Replace the stamp with a new one or refill the stamp with a few drops of the specified ink into the back of the stamp.



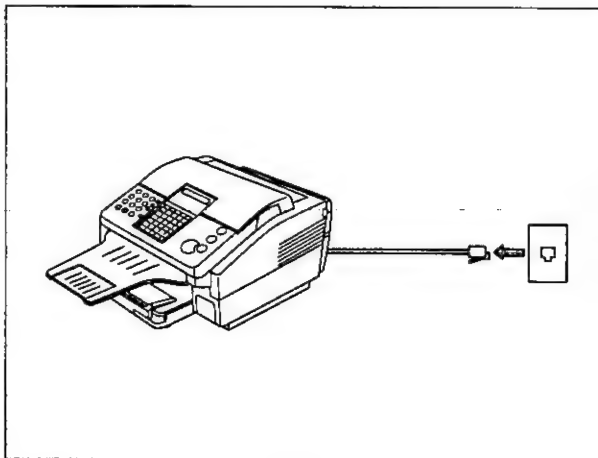
Note: 1. Please contact your local Panasonic dealer to purchase a new stamp. See page 160 for order number.
2. Stamp ink refills can be purchased from a stationary store. Use blue Shachihata X Stamp ink (No. 22113) or its equivalent.

▶ Troubleshooting

Checking the Telephone Line

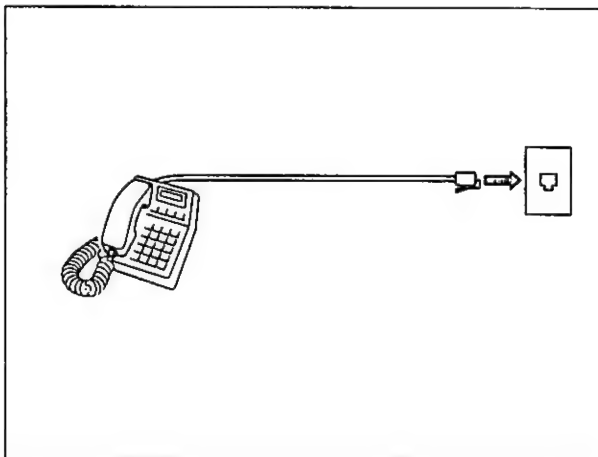
When you do not hear a dial tone through the telephone connected to the machine or when the telephone does not ring (No automatic receive).

1



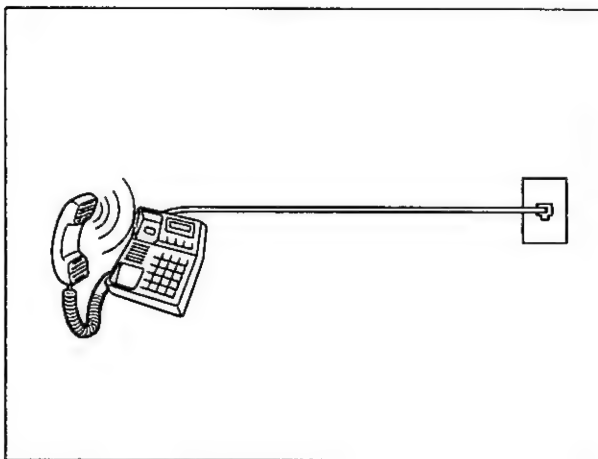
Unplug the Telephone Line Cord from the telephone jack that was supplied by the telephone company.

2



Plug a different regular telephone into the same telephone jack.

3



Check for dial tone through the handset. If there is still no dial tone, report it to your local telephone company.

or

Call from another telephone to this number. If the telephone does not ring, report it to your local telephone company.

Compatibility	ITU-T/CCITT Group 3
Coding Scheme	MH, MR, MMR (Conforms to ITU-T/CCITT Recommendations)
Modem Type	ITU-T/CCITT V.17, V.33, V.29, V.27 ter and V.21
Modem Speed	14400, 12000, 9600, 7200, 4800, 2400 and 300 bps
Document Size	Max. : 10.1" × 78.7" (257 mm × 2000 mm) (with operator's assistance) Min. : 5.8" × 5.0" (148 mm × 128 mm)
Document Thickness	Single page : 0.0024" (12 lbs) to 0.0060" (30 lbs) Multiple pages : 0.0024" (12 lbs) to 0.0048" (20 lbs)
ADF Capacity (Automatic Document Feeder)	Built-in, up to 30 sheets Note : The document limitation to send multiple pages is as follows.

	Document Size	Document Thickness
Up to 20 pages	Up to 10.1" × 14.3" (257 mm × 364 mm)	0.0024" (12 lbs) to 0.0048" (20 lbs)
Up to 30 pages*	A4 or Letter size	0.0024" (12 lbs) to 0.0039" (16 lbs)

* Please note that although the size and thickness meets the specifications, you might not be able to set 30 pages with some types of papers.

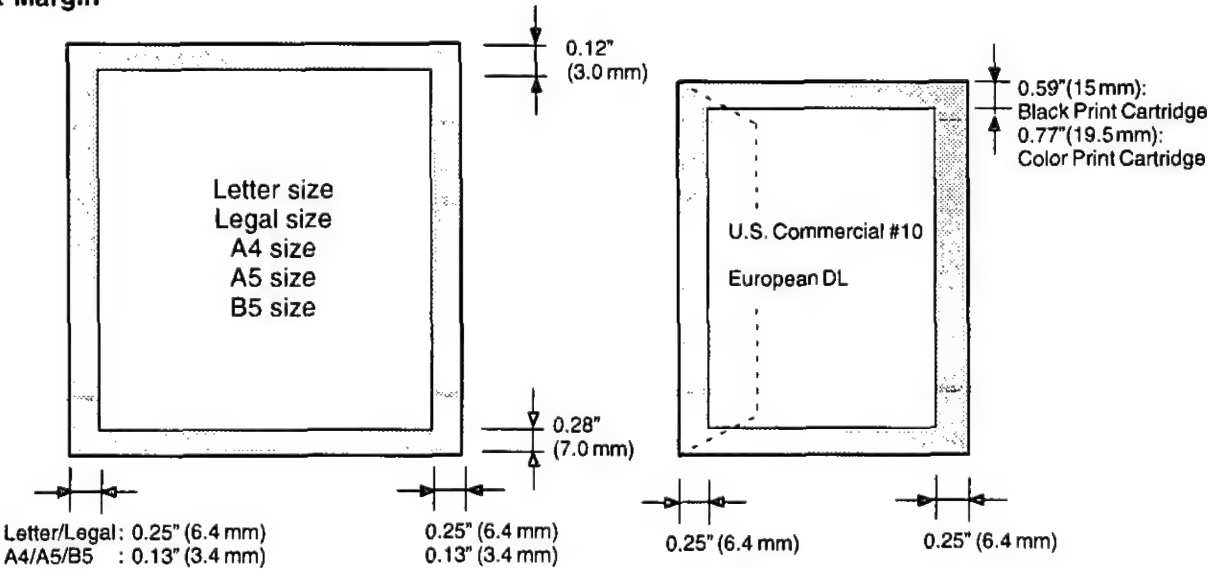
Scanning Method	Sheet Feeding with CCD type image sensor [UF-344: Sheet Feeding with Color CCD type image sensor]		
Effective Scanning Width	8.3" (212 mm)		
Scanner Resolution		Horizontal	Vertical
Standard mode		203 pels/inch (8 pels/mm)	x x 98 lines/inch 3.85 lines/mm)
Fine mode		203 pels/inch (8 pels/mm)	x x 196 lines/inch 7.7 lines/mm)
Super Fine mode (UF-342: TX only UF-344: Not available)		203 pels/inch (8 pels/mm)	x x 391 lines/inch 15.4 lines/mm)
300 dpi mode (UF-342: RX only UF-344: TX and RX)		300 pels/inch (11.8 pels/mm)	x x 300 lines/inch 11.8 lines/mm)
(All resolution modes conforms to ITU-T/CCITT Recommendations)			

Specifications

Recording Method	Thermal Inkjet Recording Head
Recording Paper	Plain Paper
Recording Paper Size	Letter / Legal / A4
Printer Resolution	360 x 360 dpi
Printing Speed	Monochrome: 4 ppm (15 seconds/page) (Based on ITU-T Image No. 1) Color*: 0.3 ppm (3 minutes/page) (At full coverage of printable area, from memory using Demo Print Chart in Draft Quality, 180 × 180 dpi) *Print speed depends on content of the document

Effective Recording Size	Letter : 8.0" x 10.6" (203 mm x 269 mm) A4 : 8.0" x 11.3" (203 mm x 287 mm) Legal : 8.0" x 13.6" (203 mm x 345 mm) A5 : 7.9" x 5.6" (200 mm x 141 mm) B5 : 9.7" x 6.9" (247 mm x 175 mm) U.S. Commercial number 10: 3.6" x 8.6" (91 mm x 219 mm): Black Print Cartridge 3.6" x 8.4" (91 mm x 215.5 mm):Color Print Cartridge European DL: 3.8" x 7.8" (97 mm x 198 mm): Black Print Cartridge 3.8" x 7.6" (97 mm x 193.5 mm):Color Print Cartridge
--------------------------	--

Print Margin



Recording Paper Capacity	Approx. 150 sheets (using 20 lbs paper)																			
One-Touch/Abbreviated Dialing Memory Capacity	100 stations (including 24 One-Touch keys and 4 Program keys) Each station can register up to 36 digits for each telephone number (including pauses and spaces) and up to 15 characters for each station name																			
Image Memory Capacity	Approx. 30 pages (Standard base memory) Approx. 110 pages (with optional 1 MB Flash Memory Card) Approx. 190 pages (with optional 2 MB Flash Memory Card) (Based on ITU-T Image No.1 using Standard Resolution)																			
Power Supply	108–132 VAC, 47–63 Hz, Single Phase																			
Power Consumption	<table><tr><th></th><th>UF-342</th><th>UF-344</th></tr><tr><td>Standby</td><td>Approx. 10 W</td><td>Approx. 12 W</td></tr><tr><td>Transmission</td><td>Approx. 18 W</td><td>Approx. 30 W</td></tr><tr><td>Reception</td><td>Approx. 17 W</td><td>Approx. 21 W</td></tr><tr><td>Copy</td><td>Approx. 26 W</td><td>Approx. 35 W</td></tr><tr><td>Max</td><td>Approx. 46 W</td><td>Approx. 50 W</td></tr></table>			UF-342	UF-344	Standby	Approx. 10 W	Approx. 12 W	Transmission	Approx. 18 W	Approx. 30 W	Reception	Approx. 17 W	Approx. 21 W	Copy	Approx. 26 W	Approx. 35 W	Max	Approx. 46 W	Approx. 50 W
	UF-342	UF-344																		
Standby	Approx. 10 W	Approx. 12 W																		
Transmission	Approx. 18 W	Approx. 30 W																		
Reception	Approx. 17 W	Approx. 21 W																		
Copy	Approx. 26 W	Approx. 35 W																		
Max	Approx. 46 W	Approx. 50 W																		
Dimensions	15.4" (W) x 17.7" (D) x 9.7" (H) (390 mm x 450 mm x 247 mm) (excluding Projections)																			
Weight	Approx. 21.0 lbs (Approx. 9.5 kg) (excluding consumable supplies and options)																			
Operating Environment	Temperature	: 41 to 95°F (5 to 35°C)																		
	Relative Humidity	: 15 to 85%																		
Optimum Printing Environment	Temperature	: 59 to 95°F (15 to 35°C)																		
	Relative Humidity	: 15 to 80%																		
FCC Registration Number	BTLJPN-30173-FA-E																			
Ringer Equivalence	0.2A, 0.4B																			

Paper Specifications

The type of paper you use is very important. Although you get good results with most plain bond papers, you will get better results by using coated papers formulated specifically for ink jet printing because they do not absorb as much ink. There are many "name" and "generic" brands of print media available. Before purchasing large quantities or printing large jobs, we recommend that you test various media samples until you obtain the results you are looking for.

Paper Specifications to be used in your machine for **FAX/COPIER**.

Paper Type	Size	Weight	Paper Tray Capacity	Note
Plain Bond Paper	Letter, Legal or A4	17 to 24 lb (64 to 90 g/m ²)	150 sheets	
Coated Paper	Letter, Legal or A4	17 to 24 lb (64 to 90 g/m ²)	150 sheets	Formulated for ink jet printing only.

Paper Specifications to be used in your machine for **Color COPYING** (UF-344 only).

Paper Type	Size	Weight	Paper Tray Capacity	Note
Plain Bond Paper	Letter, Legal or A4	17 to 24 lb (64 to 90 g/m ²)	150 sheets	
Coated Paper	Letter, Legal or A4	17 to 24 lb (64 to 90 g/m ²)	150 sheets	Formulated for ink jet printing only.
Transparency	Letter, Legal or A4	—	50 sheets	Thickness : 0.0039 to 0.0051 in. (0.10 to 0.13 mm) Formulated for ink jet printing.

Paper Specifications

Paper Specifications to be used in your machine for **Printer with Panafax Color Printing System.**



Paper Type	Size	Weight	Paper Tray Capacity	Note
Plain Bond Paper	Letter, Legal, A4, A5 or B5	17 to 24 lb (64 to 90 g/m ²)	150 sheets	
Coated Paper	Letter, Legal, A4, A5 or B5	17 to 24 lb (64 to 90 g/m ²)	150 sheets	Formulated for ink jet printing.
Transparency	Letter, Legal, A4, A5 or B5	—	50 sheets	Thickness : 0.0039 to 0.0051 in. (0.10 to 0.13 mm) Formulated for ink jet printing.
Recycled Paper	Letter, Legal, A4, A5 or B5	17 to 24 lb (64 to 90 g/m ²)	150 sheets	
Glossy Paper	Letter, Legal, A4, A5 or B5	17 to 24 lb (64 to 90 g/m ²)	50 sheets	Formulated for ink jet printing only.
Back Print Film	Letter, Legal, A4, A5 or B5	—	50 sheets	Thickness : 0.0039 to 0.0051 in. (0.10 to 0.13 mm) Formulated for ink jet printing.
Envelope	Commercial-10 Envelope DL	—	20 sheets	Commercial-10 4.1 × 9.5 in. (104 × 241 mm) Envelope DL 4.3 × 8.7 in. (110 × 220 mm)

- !** **Note:**
1. It is possible that the print media meets the specifications listed above and still not print well because of the variations in the manufacturing. Therefore, we recommend that you test thoroughly before purchasing in large quantity.
 2. Poor quality paper may reduce print quality and cause paper jams and other problems. If you encounter problems, switch to a higher grade of paper.
 3. When using special coated paper, glossy paper, envelopes, and transparencies, do not touch the printable surface of the paper, hold the sheets by their edges. The moisture and oils on your hands can reduce print quality.






► Options and Supplies

Please contact your local Panasonic dealer for availability.

A. Options:

Order No.	Picture	Description
UE-410022		Expansion Flash Memory Card, 1MB
UE-410023		Expansion Flash Memory Card, 2MB

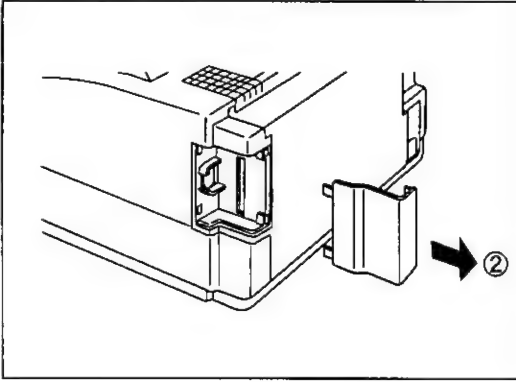
B. Supplies:

Order No.	Picture	Description
UG-3502A		Black Print Cartridge
UG-3503A		Color Print Cartridge
UG-3504A		Color Ink Cartridge Refill for UG-3503A
UG-3505A		Black Ink Cartridge Refill for UG-3503A
FX-13-2B		Verification Stamp

Installing the Memory Card

Before installation begins, make sure that there is no document file(s) stored in the memory. You may confirm by printing out a File List (see page 86). When the memory card is installed, the machine will initialize the document memory, all contents stored in the document memory will be lost.

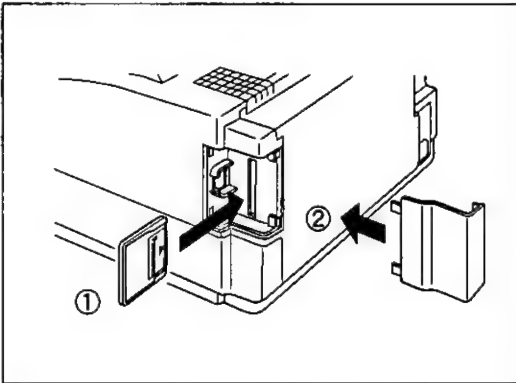
1



① Turn the Power Switch to the "O" (OFF) position.

② Remove the Memory Card Cover.

2



① Insert the Memory Card into the card slot with the Panasonic logo facing to the rear.

② Re-install the Memory Card Cover.

3

Turn the Power Switch to the "I" (ON) position. Print out the Fax Parameter List (see page 134) and confirm the memory size on Fax Parameter No. 99. (see page 40)



Note: The document(s) stored in memory will be lost if the memory card is removed.

FCC Notice for User in USA

WARNING

This equipment generates radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B digital device in accordance with the specifications of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures:

- (1) Reorient the receiving antenna.
- (2) Relocate your fax machine with respect to the receiver.
- (3) Move your fax machine away from the receiver.
- (4) Plug your fax machine into a different outlet so that your fax machine and receiver are on different branch circuits.

If necessary, you should consult the dealer or an experienced radio / television technician for additional suggestions. To assure continued FCC emission limit compliance, the user must operate this device in accordance with these instructions and do not make any unauthorized changes or modifications.



Note: *This equipment complies with Part 68 of the FCC Rules. On the rear panel of this equipment is a label that contains, among other information, the FCC Registration Number and Ringer Equivalence Number (REN) for this equipment. You must, upon request, provide this information to your telephone company.*

Ask your telephone company or installer to install the jack suitable for your device if such is not available.

The REN is useful to determine the quantity of devices you may connect to your telephone line and still have all of those devices ring when your telephone number is called. In most, but not all areas, the sum of the REN's of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company to determine the maximum REN for your calling area.

If your telephone equipment causes harm to the telephone network, the Telephone Company may discontinue your service temporarily. If possible, they will notify you in advance. But if advance notice isn't practical, you will be notified as soon as possible. You will be informed of your right to file a complaint with FCC.

Your telephone company may make changes in its facilities, equipment, operations or procedures that could affect the proper functioning of your equipment. If they do, you will be notified in advance to give you an opportunity to maintain uninterrupted telephone service.

If you experience trouble with this telephone equipment, please contact the manufacturer's authorized service agency for information on obtaining service or repairs. The telephone company may ask that you disconnect this equipment from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning.

WARNING

For protection against the risk of electric shock, always disconnect all cables from the wall outlet before servicing, modifying or installing the equipment.

This equipment may not be used on coin service provided by the telephone company nor connected to party lines.

FCC Notice for User in USA ◀

The telephone Consumer Protection Act of 1991 makes it unlawful for any person to use a computer or other electronic device to send any message via telephone facsimile machine unless such message clearly contains in a margin at the top or bottom of each transmitted page or on the first page of transmission the following information:

- 1) Date and Time of transmission; and,
- 2) Identification of either business, business entity or individual sending the message; and,
- 3) Telephone number of either the sending machine, business, business entity or individual.

In order to program this information into your facsimile machine, you should refer to page number 27 to 30 in this User's Guide to complete the steps.

Example of Header Format (LOGO, ID Number setting)

JAN-12-1997 09:00	PANASONIC COMM. & SYS. CO	201 348 7000	P. 01/05
↑	↑	↑	
1) Date and Time	2) LOGO	3) ID Number	



As an ENERGY STAR Partner, Panasonic has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

Glossary

ABBR. No. (Abbreviated Number)	The ability to store full phone numbers into the dialer and then utilizing a short series of keystrokes to speed dial that number in the future.
ADF (Automatic Document Feeder)	The mechanism that delivers a stack of document pages to the scanner one page at a time.
Auto print reduction	The method of automatically reducing a received document so that it can be printed onto a standard size piece of plain paper. For example, your machine will reduce an incoming legal size page to 75% of its original size so it could fit on a letter size page.
BPS (Bits Per Second)	The amount of data that is transmitted over the phone line. Your machine can start at 14400 BPS and automatically steps down to 12000, 9600, 7200, 4800, 2400 BPS depending on the phone line condition and the receiving machines capabilities.
C.C.I.T.T.	Consultative Committee on International Telegraph and Telephone. This organization has presently developed four groups of industry standards that insure facsimile compatibility.
CCITT Image No.1 (ITU-T/CCITT)	An industry standard document that allows comparisons of the transmission speeds and capabilities of facsimile machines.
Character ID	A programmed proprietary code name that allows up to 16 alphanumeric characters identifying your facsimile machine.
Character keys	The keys that are used to enter letters and symbols for various programming functions.
CMYK	An acronym for Cyan, Magenta, Yellow, and Black, the four colors used in the standard color model of the printing industry.
Coding scheme	The data compression method used by facsimile machines. Your machine utilizes Modified Huffman (MH), Modified Read (MR), and Modified Modified Read (MMR) coding schemes.
Color Calibration	A method used to adjust and synchronize the Color graduations between the Color Scanner and Printer.
COMM. JOURNAL	Refers to either the Communication Journal, Relay Transmission Report, or the Confidential XMT Report.
Confidential communication	In a network of facsimile machines, a code can be entered to retrieve a document that is stored in memory of a designated relay station.
Confidential RCV Report	The report that gives you information about a confidential document(s) that is held in your machine's memory.
CONTRAST	Signifies the scanning sensitivity in terms of lightness and darkness of your original transmitting pages.
DDD (Direct Distance Dialing)	A telephone service that allows unassisted dialing, no operator assistance is required.

Deferred polling	The ability to retrieve documents from other stations at a later time.
Deferred transmission	The ability to send documents to other stations at a later time.
Direct Dialing	The method of dialing where you enter the entire telephone number through the keypad.
Directory Search Dialing	Allows you to dial a full telephone number by searching the station's name entered in the One-Touch keys or Abbreviated dialing numbers.
Directory Sheet	The list that contains the station names that are programmed into your unit.
DTMF (Dual Tone Multi-Frequency)	Dialing method that sends a different set of frequencies for each digit of the telephone keypad. Commonly refers to touch tone dialing.
ECM (Error Correction Mode)	The ability to correct transmission errors as detected during the transmitting phone call.
End receiving station	In a relay network, the final station designated to receive the document.
F.C.C.	Federal Communications Commission. The U.S. Government organization that regulates communications originating or terminating in the United States.
FAX Access code	A 4-digit programmable code that prevents unauthorized operation of your Fax.
FAX Parameter List	The list that contains the home FAX parameters settings that you have programmed into your machine.
FAX/TEL Auto Switching	The ability to share a single telephone line for both fax and voice usage.
File	A task that has been stored into the memory of your unit. Examples are deferred transactions.
Fixed print reduction	The method that allows you to determine one reduction rate, such as 75%, for all incoming documents.
FUNCTION	The control panel key that will be utilized to begin an operation or configuration of a feature.
G3 mode (Group 3)	Refers to the standards and transmission capabilities of the current generation of facsimile machines.
Group dialing	The ability to program many telephone numbers into a single station so that many locations can be dialed in sequence utilizing a single keystroke.
HALFTONE	A scanning technique to distinguish levels of gray from black and white. Your machine can detect up to 64 levels of gray in halftone mode.
Handshaking	The exchange of a group of control signals that communicate between the transmitter and receiver. These signals determine the condition at which communication can occur.

Glossary

Header	A row of information that is transmitted by the sending machine and printed on the top of each page by the receiving unit. This identifies the transmitting unit and information about the transmission, such as time and date.
ID	A programmable address of up to 20 digits identifying your machine.
Image memory capacity	This signifies the amount of memory available in your unit capable of storing pages of documents. All page units of measure are based on the ITU-T Image No.1.
Individual Transmission Journal	A report that is printed by the transmitting unit stating information regarding the last document transaction.
Industry Canada (D.O.C)	Department of Communications. The Canadian Government organization that regulates communications originating or terminating in Canada.
Information code	A code that is internally generated by your Fax stating a specific operational error or machine failure.
IN/OUT Mode	IN(Attended reception) and OUT(Unattended reception) mode can be easily changed by just pressing OUT button. When IN or OUT mode is selected, the reception mode will be set according to the setting in the Fax Parameter 15 and 16. IN Mode : TEL (Fax manual reception) : FAX/TEL Auto Switch OUT Mode : FAX (Fax automatic reception) : TAM I/F
Initial sending station	In a relay network, the station that is originating the document transmission.
ITU-T	International Telecommunication Union - Telecommunication, formerly known as C.C.I.T.T.
Journal	A report that is printed by your unit listing the last 32 transmitting and receiving transactions.
Keypad	A group of numeric keys located on your control panel.
LCD	Liquid Crystal Display. The display area of your machine.
LOGO	Your programmed company name or identification up to 25 alphanumeric characters.
Memory transmission	The documents are scanned into memory before actual connection to the phone line for transmission.
Modem	A device that converts signals from your fax machine into signals that can be transmitted over telephone lines.
Multi-file transmission	The ability to store many files into your machine's memory before actual telephone connection occurs.

Multi-station transmission	The ability to broadcast the same set of documents to a programmed number of locations.
Network address	An individual 4-digit addressing number assigned to a One-Touch/Abbreviated number that identifies a particular station in a relay network.
Network password	A 4-digit password assigned to a network address to prevent unauthorized stations from accessing a relay station.
Off-hook dialing	The direct dialing of a telephone number with the handset out of the cradle or "off the hook."
On-hook dialing	The direct dialing of a telephone number with the handset in the cradle or "on the hook."
One-Touch dialing	The ability to dial an entire telephone number by pressing one key.
Panasonic Super Smoothing	An electronic image enhancement (Panasonic Super Smoothing) that will create a particular pattern for the improvement of copy quality.
Polling	The ability to retrieve a document from another facsimile machine.
Polling password	A 4-digit programmed code that enables the security of a document being polled.
Power Failure Report	A report that contains information on the last transaction that took place during a power outage.
Print reduction modes	The methods used to determine how an incoming document will be reduced to print onto the paper loaded in your machine.
Program keys	Keys that are defined for storing a sequence of stations to be dialed or polled.
PSTN	Public Switched Telephone Network. Network of interconnected switching equipment and transmission facilities.
Relay address	A 2-digit code that identifies the relay station your machine will use in a network.
Relay network	A group of facsimile machines that communicate via a relay station.
Relay station	A certain type of facsimile machine that can store and forward documents to an end receiving station and/or a relay station in another relay network. Your machine can not be used as a relay station.
Relay Transmission	Sending a document to a relay station, which in turn, sends the document to the end receiving station.
Relay Transmission Report	A report that contains information regarding the last document transmission to a relay station.

Glossary

Remote Reception	A function that allows you to activate your fax machine to receive from an extension phone. You may transfer an incoming call to your fax machine from an extension phone by pressing the " * " key twice on a touch tone phone.
RESOLUTION	Relates to the number of dots scanned or printed per certain square. The quality of the image increases as the number of dots per certain square increases.
RGB	An acronym for Red, Green, and Blue, the three primary colors used in the additive process to form a wide spectrum of colors.
RJ-11C	A single-line telephone connection used primarily in the United States and Canada, a 4-conductor jack in which the two center conductors are used to carry the telephone signal.
Selective reception	A function that can be set so that your unit will receive from only those machines programmed into your dialer.
Station name	Alphanumeric ID which can be programmed for each One-Touch dialing and Abbreviated dialing number.
Stored documents	Documents that have been scanned and now are stored in your machine's memory.
Sub-address	ITU-T recommendation for further routing, forwarding or relaying of incoming faxes.
Substitute memory reception	Your machine's ability to store an incoming document into its memory, when it runs out of recording paper or ink in the Print Cartridge.
TAM Interface	A capability of your unit to be connected and operate with a Telephone Answering Machine(TAM).
Transmission reservation	The ability to preset a telephone number so that you may reserve a transmission while your unit is performing another function.
User parameter	Programmed parameters that provide information to other stations. Examples are logo, character ID, date and time.
Verification stamp	A user selectable transmission verification stamp can be placed on scanned documents that are successfully transmitted or stored in memory.
View Mode - File List	Allows you to view the brief contents of the memory files through the LCD display without having to print the Memory File List.
View Mode - Journal	Allows you to view the brief contents of the journal through the LCD display without having to print the journal.

All specifications are based on the ITU-T Image No. 1 (The sample shown below is not to scale).

THE SLEREXE COMPANY LIMITED

SAPORS LANE · BOOLE · DORSET · BH 25 8 ER

TELEPHONE BOOLE (945 13) 51617 · TELEX 123456

Our Ref. 350/PJC/EAC

18th January, 1972.

Dr. P.N. Cundall,
Mining Surveys Ltd.,
Holroyd Road,
Reading,
Berks.

Dear Pete,

Permit me to introduce you to the facility of facsimile transmission.

In facsimile a photocell is caused to perform a raster scan over the subject copy. The variations of print density on the document cause the photocell to generate an analogous electrical video signal. This signal is used to modulate a carrier, which is transmitted to a remote destination over a radio or cable communications link.

At the remote terminal, demodulation reconstructs the video signal, which is used to modulate the density of print produced by a printing device. This device is scanning in a raster scan synchronised with that at the transmitting terminal. As a result, a facsimile copy of the subject document is produced.

Probably you have uses for this facility in your organisation.

Yours sincerely,

Phil.

P.J. CROSS
Group Leader - Facsimile Research

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Facsimile Number Directory

Name

Number

[illegible]

Facsimile Number Directory

Name

Number

[illegible]

Facsimile Number Directory

Name

Number

[illegible]

Facsimile Number Directory

Name

Number

[illegible]

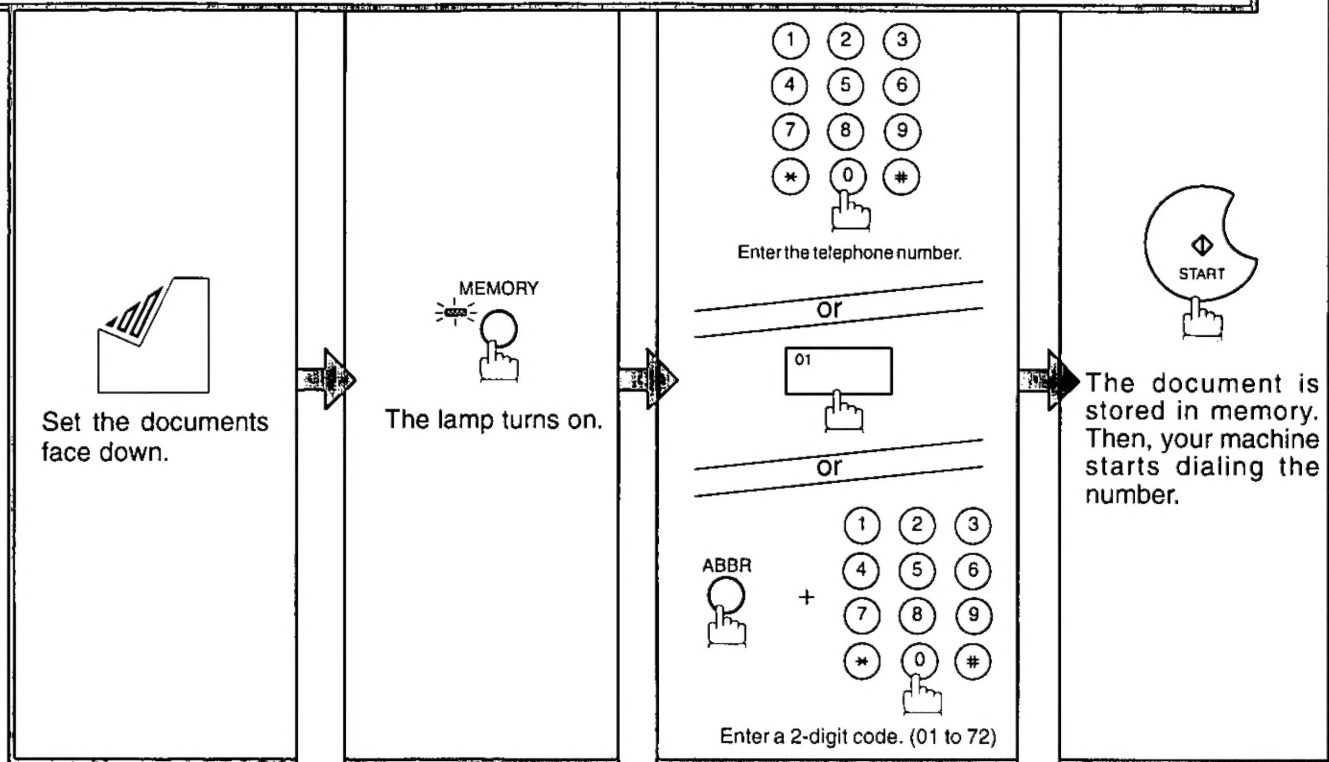
Facsimile Number Directory

Name

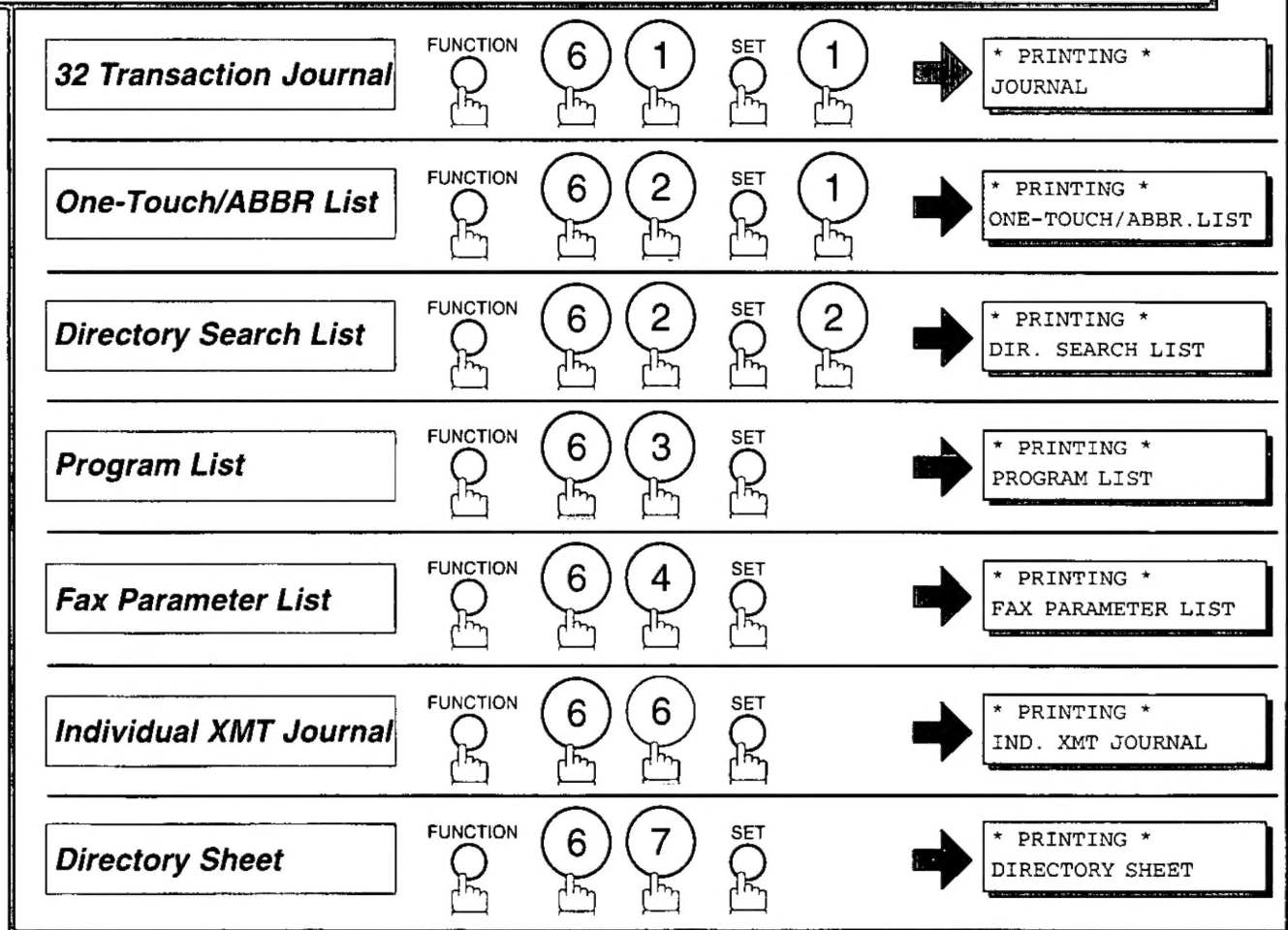
Number

This image shows a single page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page, leaving small margins at the top and bottom. There are no vertical margin lines, and the page is completely blank except for the lines themselves.

How to Send from Memory.



How to Print Journals and Reports.

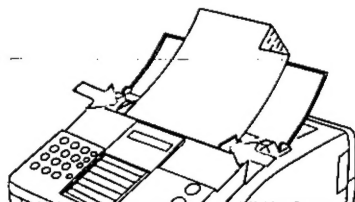


QUICK GUIDE UF-342/344

Panasonic®

How to Set Documents.

Set documents face down and adjust the document guides.



You can set up to 30 pages* on the ADF (Automatic Document Feeder) at one time.

**(Based on 12 to 16 lbs weight Letter size documents)*

The display message is as shown below when the documents are set properly.

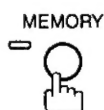
ENTER STATION

00%

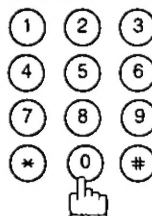
How to Send Using Manual Dialing.



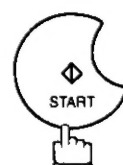
Set the documents face down.



The lamp turns off.

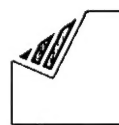


Enter the telephone number.

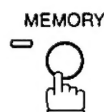


Your machine starts dialing.

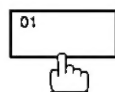
How to Send Using One-Touch/Abbreviated Key.



Set the documents face down.



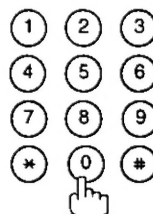
The lamp turns off.



OR



+



Enter a 2-digit code (01 to 72).

Your machine starts dialing.

